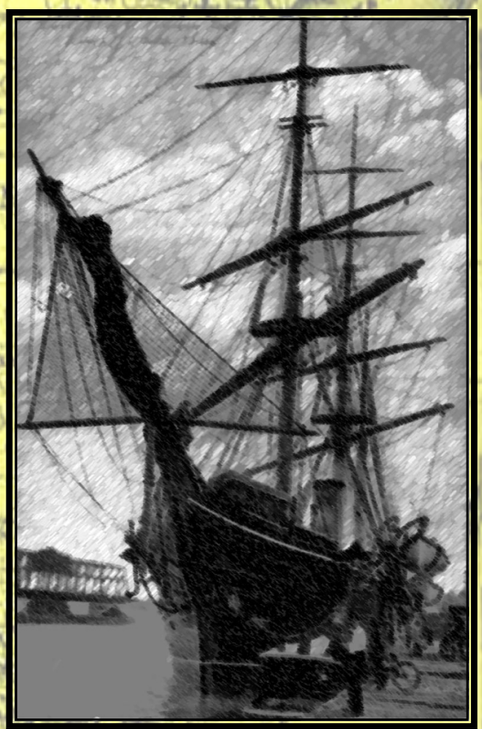
Maritime Heritage Minnesota

Log Book of the USS Essex

August 1, 1878 – February 15, 1879



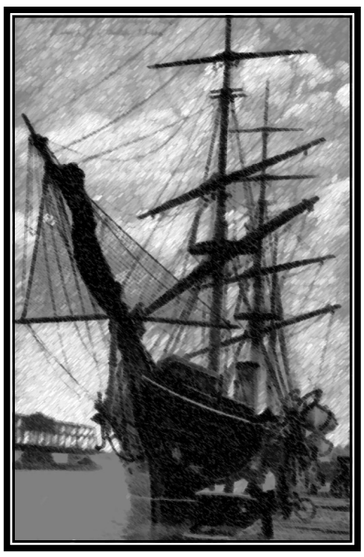
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MINNESOTA HISTORICAL
& CULTURAL GRANTS

Log Book of the USS *Essex*
August 1, 1878 – February, 1879

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Ann Merriman, Christopher Olson, Maritime Heritage Minnesota

LOG BOOK

OF THE

U. S. S. "Essex"

3rd Rate, of 6 Guns,

COMMANDED BY

Commander W. S. Schley U. S. Navy,

Attached to South Atlantic Squadron,

Commencing August 1st, 1878,

at Rio de Janeiro, Brazil,

and ending Feby 15 , 1879,

at Sea enroute Montevideo

BUREAU OF NAVIGATION,
NAVY DEPARTMENT,
1872.

LOG of the UNITED STATES Sloop "Erie", 3 Rate, 6 Guns,

Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1				Calm	0		30.37	69	71	70		F.C.	Cumulus	8	S	
2					0		30.35	69	71	70		"	"	8	"	
3					0		30.35	67	70	69		"	"	9	"	
4					0		30.35	67	69	68		"	"	8	"	
5					0		30.35	67	68	67		F	None	10	"	
6					0		30.35	67	68	67		Fine	Fair Cum	6	"	
7				E. N.E.	0'		30.36	66	67	69		"	"	3	"	
8					0'		30.37	68	67	67		"	"	7	"	
9				E. N.E.	0'		30.40	70	69	69		"	"	8	"	
10				E. N.E.	0'		30.40	70	70	70		"	"	9	"	
11				Calm	0		30.40	70	71	71		"	"	9	"	
Noon.				E. N.E.	1		30.40	70	72	71		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1200 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1				E.	4		30.37	72	74	73		F.C.	Ci. Cum.	9	S.	
2				E. E.	3		30.33	72	73	71		"	"	9		
3				E.	2		30.30	72	73	73		"	"	8		
4				"	2		30.30	72	73	72		"	"	8		
5				E.	2		30.32	71	73	72		"	"	7		
6				"	1		30.32	71	73	72		"	"	8		
7				E.	2		30.35	70	73	71		"	"	9		
8				E. N.E.	2		30.38	70	72	70		"	"	9		
9				"	2		30.38	70	71	69		"	"	9		
10				E. N.E.	1		30.38	70	71	69		"	"	9		
11				N.E.	2		30.38	70	70	69		"	"	9		
Mid.				"	1-2		30.38	71	70	69		"	"	9		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. Scott Schley, , U. S. Navy,

Thursday August 1st , 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and writes as Ms. Clear Dan'l Gale Lt 2d Survey to 8 bells.
Signed Dan'l G. Brady
Ensign

From 8 to 12 M. Cloudy and pleasant Gale first part Light airs latter part from S.E. to E. Lt 2d. Survey Ship Snake employed as required 28th Anniversary. Received on board fresh provisions for crew
Signed J. H. Gopsill
Lieut

From 8 to 12 M to Noon. Clear and pleasant Gale and light variable airs. Survey to 8 bells at 11.30
Signed. G. B. D'Hoore
Ensign

From Noon to 4 P.M. Clear and pleasant. Light to moderate breeze from S.E. to E. At 2 P.M. Survey Ship Snake employed as required 39th. and Geo. M. Lt & Tho Dutch Admiral of the Danish visited Gunship Officer Flood Tide. Mr Hutchinson & D. Brune reported for duty on board in obedience to orders from Navy Department.
Signed J. H. Gopsill
Lieut

From 4 to 8 P.M. Clear and pleasant. Light airs to light breeze from S.E. to E. Survey to 8 bells at 8.15
Signed G. B. D'Hoore.
Ensign

From 8 P.M. to Noon. Clear and pleasant. Light airs to light variable breeze. Tide turned flood at 7.30.
Signed J. H. Gopsill
Lieut

Noon found place last observation Dec. 1°.

Examined and found to be correct.

Signed Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES Steam Vessel, 2 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. by E.	E.S.E.	1		30.35	70	70	69		b.c.	Cum	9	S	
2			S.	E.	1		30.36	70	70	69		b.	Nimbus	10	"	
3			S. by E.	"	1		30.35	70	70	69		"	"	10	"	
4			S. by E.	"	1		30.35	70	70	69		"	"	10	"	
5			S. by E.	"	0-1		30.33	69	70	68		"	"	10	"	
6			N.	Calm	0		30.33	69	69	68		b.c.	Cir. Cum	9	"	
7			N. N. W.	"	0		30.38	69	69	68		"	"	9	"	
8			N. by E.	E.S.E.	0-1		30.39	69	69	68		"	"	9	"	
9			N.	N.E.	0-1		30.40	70	69	30		"	"	9	"	
10			N. by W.	N.	0-1		30.42	71	72	71		"	"	9	"	
11			"	"	0-1		30.42	70	72	70		"	"	9	"	
Noon.			N.	Calm	0		30.41	70	72	72		"	"	2	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300 gallons.		
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	960 "		
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.															
1		S. S. E.	Calm	0	30.38	72	73	72		b.c.	Cir. Cum	4	S.		
2		S.	S. E.	1-2	30.38	73	74	72		"	"	5			
3		"	"	2	30.36	73	74	72		"	"	8			
4		"	"	2	30.36	73	74	72		"	"	2			
5		E.	E. S. E.	4	30.38	72	73	70		"	"	2			
6		"	"	0	30.36	72	73	70		"	Cum. Nim	7			
7		N.	E.	2	30.36	72	72	71		"	"	9			
8		"	"	1-2	30.36	71	71	70		"	"	3			
9		E.	"	2-3	30.38	71	70	69		"	"	5			
10		S. E.	"	3	30.37	70	69	30		"	"	7			
11		S. S. E.	"	1-2	30.37	70	69	69		"	"	9			
Mid.		S.	"	1-2	30.37	69	70	69		"	"	9			

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. Scott Dennis, U. S. Navy,

Friday August 25th, 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with A.M. Clear and pleasant. Light airs from S. S. E. and E. Flood tide

Signed G. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Calm and light airs from E. and S.E. & E. Sat. reading Rev. & muster. Tide turned ebb at 4.0 AM 1.30 P.M. Ship made current sig. 8 A.M. & dressed ship at masthead Brazilian Flag at main in honor of Brazilian Holiday

Signed G. H. Curtis
Lieut

From 8 A.M. to Merid. Clear first part. Cloudy latter part of with. Light airs from E. N.E. & E. and N.E. Calm last hour. At 9 exercised at fire quarters. Div. each hour as follows. Eng. 28th Hd. 8th Marine Guard 40 sec / at 40 sec. 2 with 57 sec Pdr. 8th Division / at 20 sec Meade Spencer & Pinderton absent without leave R. B. Eugene (N.R.) and Asst. Mitchell (Ldg) absent from the ship without leave. Tide turned flood at 10.25 Asst. Pinderton was placed under suspension by order of Comdr for overstaying leave

Signed J. H. B. Cogswell
Lieut

Merid to 4 P.M. Partially cloudy. First half Clear and pleasant last half. Calm and light breeze from S. E. Flood tide at Brazilian French and American Flag ships and shore batteries of 21 guns. Received on Nipsic 2000 gals fresh water

Signed G. H. Curtis
Lieut

From 4 to 8 P.M. Cloudy and pleasant. Moderate breeze from E. S. E. first part. Light airs latter part from S. At 6.0 P.M. Flag Ships made current sig. 2 P.M. Sunday to ebb at 4.15.

Signed J. H. B. Cogswell
Lieut

From 8 P.M. to Merid Partially cloudy first part. Clear and pleasant latter part. Wind light to gentle from S. Sat. reading Rev. muster & Flood tide. Ships returns to winds first part

Signed G. H. Curtis
Lieut

Examined and found to be correct.

Signed Alex Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

Rio de Janeiro, Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			S.W. by S.	Calm	0		30.37	70	70	69		b.	None	10	b.	
2			S. by E.	"	0		30.37	70	70	68		"	"	10	"	
3			S. by W.	"	0		30.36	69	70	68		"	"	10	"	
4			S.	S. E.	0-1		30.35	69	70	68		"	"	10	"	
5			"	North	1		30.35	69	70	68		b.c.z.	Cum. Str.	9	"	
6			"	"	1		30.35	69	70	68		"	"	9	"	
7			N.	"	1		30.40	70	70	68		"	"	9	"	
8			"	"	1		30.42	70	70	68		"	"	9	"	
9			N.N.W. by N.	"	0-1		30.44	70	70	68		b.c.	"	9	"	
10			N.W.	"	1		30.43	70	71	69		"	"	9	"	
11			S.W.	"	1		30.43	69	71	69		"	"	9	"	
Noon.			"	"	1		30.42	69	71	70		"	Cum.	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ☉	°	′	″
Longitude by Chronometer from Forenoon Observations ☉	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ☉ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water received during the preceding 24 hours	2000	"	
Water remaining on hand fit for use at Noon	2600	"	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.																
1			S. by E.	S. by E.	1-2		30.40	71	72	71		b. c.	Cum. Str.	9	b.	
2			"	"	3		30.38	71	73	71		"	"	9	"	
3			"	"	4		30.36	71	73	71		"	"	9	"	
4			South	"	4		30.36	72	73	71		"	"	9	"	
5			S. by E.	"	3		30.36	72	73	71		"	"	9	"	
6			N.N.E.	"	2-3		30.36	72	72	70		"	"	9	"	
7			N. by W.	"	1-3		30.36	72	72	70		"	"	9	"	
8			N.	"	1		30.36	72	72	70		"	"	5	"	
9			N.E. by E.	"	1		30.40	72	71	70		"	"	7	"	
10			S.	"	1		30.40	71	71	70		"	"	7	"	
11			"	Calm	0		30.40	70	71	70		"	"	7	"	
Mid.			"	"	0		30.40	70	71	70		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Saturday August 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Calm first three hours, light airs from S.E. last hour. Flood tide.

(Signed) J.K. Cogswell
Lieut.

4 to 8 A.M. Clear and fine, but hazy about horizon. Light airs from North. Swung to ebb at 6.10.

(Signed) Sam. C. Lemly
Ensign.

8 AM. to Merid. Weather clear and pleasant. Wind light from North. Barometer falling. Sea smooth. Tide turned flood at 10.40.

(Signed) C. K. Curtis
Lieut.

Merid. to 4 P.M. Clear and pleasant. Sea smooth. Barometer falling slowly. Running flood tide. At 12.30 sea breeze made from S.E. Recorder of Summary Court Martial furnished John Hall (O.S. 2d Cl.) with copy of specifications preferred against him by Comdr. W. S. Schley. At 3.20 "Hartford" made 2984.

(Signed) Sam. C. Lemly
Ensign.

4 to 8 P.M. Clear and pleasant. Gentle breeze from S.E. decreasing to light airs by end of watch. Barometer steady. Sea smooth. Tide turned ebb at 5.30.

(Signed) C. K. Curtis
Lieut.

8 P.M. to Midt. Clear and pleasant. Light breeze from S.E. & calm. Barometer steady. At 9 swung to flood.

(Signed) Sam. C. Lemly
Ensign.

Moon's phase 1st qr. Dec. 5. 13h.

Examined and found to be correct.

(Signed) Asa Walker

Lt. & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Rio de Janeiro, Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N by W.	E.	1		30.40	70	71	70		b. c.	Cir. Cum.	9	S.	
2			N E.	"	0-1		30.40	70	70	69		"	"	9	"	
3			S. S. E.	"	1		30.38	69	69	68		"	"	9	"	
4			S. by W.	"	1		30.38	68	69	68		"	"	9	"	
5			"	"	1		30.35	68	69	68		"	"	8	"	
6			N. by E.	"	1		30.35	68	69	68		"	Cir. Cum. & Cumb.	7	"	
7			N. N. E.	"	0-1		30.38	68	69	68		"	"	7	"	
8			N. by W.	N. E.	0-1		30.38	68	68	68		"	"	1	"	
9			"	"	0-1		30.40	70	70	69		"	Cir. Cum.	5	S.	
10			"	"	0-1		30.45	71	71	70		"	"	5	"	
11			S. W.	"	0-1		30.45	71	71	70		"	"	5	"	
Noon.			"	"	2		30.45	71	72	71		"	"	5	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ☉ — ° ' "
Longitude by Chronometer from Forenoon Observations ☉ — ° ' "
Current during the time — knots — fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ☉ observed at — ° ' "
Water expended during the preceding 24 hours — 200 — gallons.
Water — during the preceding 24 hours — " —
Water remaining on hand fit for use at Noon — 2200 — "
Coal consumed during the preceding 24 hours — tons — lbs.
Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S. S. W.	S.	2		30.40	72	74	73		b. c.	Cir. Cum.	8	S.	
2			S. S. E.	S. S. E.	3		30.38	72	75	74		"	"	9	"	
3			S. E.	S. E.	3		30.36	73	75	74		"	"	8	"	
4			S. by E.	S. S. E.	3		30.36	73	75	74		"	"	8	"	
5			"	"	3		30.36	73	74	73		"	"	8	"	
6			"	"	2		30.36	72	73	71		"	"	8	"	
7			N. N. W.	"	1		30.36	73	72	71		"	"	8	"	
8			N.	"	1		30.39	72	72	71		"	"	8	"	
9			N. by E.	S. S. E.	1		30.40	71	72	71		"	"	5	"	
10			N. N. W.	E.	1		30.42	71	72	71		"	"	8	"	
11			S.	"	3		30.42	71	72	71		"	"	8	"	
Mid.			"	"	2		30.42	70	72	71		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Sunday, August 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Wind light from E. Barometer falling slowly. Sea smooth. Tide turned flood at 2.30.

(Signed) C. K. Curtis
Lieut.

4 to 8 A.M. Clear first hour. Cloudy remainder of watch. Light airs from E. and N.E. Boxing to ebb at 6. At 7.30 Flagship made gen. sig. 3350. Answered.

(Signed) C. B. F. Moore
Ensign

8 A.M. to Merid. Partially clear. Pleasant. Light airs from N.E. freshening last hour. Long swell. Barometer rising. Ord. Sergt. Louis Zachman (M.C.) reported the expiration of his term of service. At 9.45 held divisional inspection, and at 10, Comdr. inspected ship and crew at quarters, and afterwards held divine service. The following men absent without leave, viz: Wm. G. Norwood (Sea) John Farrar (2d. Mr.) W. W. Sheldon (O.S. 2d Cl.) Thos. C. Putz (O.S. 2d Cl.) At 10.30 slack water. Ship riding across tide remainder of watch. At 11.30 John Farrar (2d. Mr.) and Wm. G. Norwood (Sea) returned on board. Sent a special liberty party of 25 men ashore until 7 a.m. tomorrow. Philip Hazard (O.S.) sick from Whale Boat while ashore on duty.

(Signed) Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear. Warm. Light to gentle breeze varying from S. to S.E. Flood tide. Thos. C. Putz (O.S. 2d Cl.) and W. W. Sheldon (O.S. 2d Cl.) returned on board.

(Signed) C. B. F. Moore
Ensign

4 to 8 P.M. Clear and pleasant. Moderate breeze from S.S.E. falling light towards end of watch. At 6.30 swung to ebb. Asa. S. Mitchell (Ord.) returned on board 7 days overtime. Barometer rising slowly. Sea smooth.

(Signed) Sam. C. Lemly
Ensign

8 P.M. to Midt. Clear and pleasant. Bright moonlight. Light airs to gentle breeze from E.S.E. and E. Swung to flood at 12.40.

(Signed) C. B. F. Moore
Ensign

Moons phase 1st qr. Dec. 5. 19h.

Examined and found to be correct.

(Signed) Asa Walker,
Lieut. & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
A. M.																
1			N.N.W. by N.	N.	1		30.42	70	72	70		b.c.	Cum.	9	S.	
2			N. by E. ½ E.	N.E.	1		30.42	69	71	69				9	"	
3			"	"	2		30.41	70	71	70		b.	None	10	"	
4			S.E. by E.	"	2		30.41	70	71	70		"	"	10	"	
5			S. by W.	Calm	0		30.41	70	71	70		"	"	10	"	
6			"	"	0		30.41	70	71	70		b.a.	Cum.	9	S.	
7			"	"	0		30.41	70	71	70		"	"	9	"	
8			N. by W.		0		30.42	70	71	70		"	"	9	"	
9			N.N.W.	N.W.	0-1		30.43	71	71	70		"	Cum. Strat.	7	"	
10				N.	2		30.43	71	71	70		"	Cir. Cum. + Strat.	4	"	
11			S.S.W.		1		30.43	71	72	71		"	"	3	"	
Noon.			S.E.	E.N.E.	4		30.43	71	73	72		"	"	1	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	200	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2000	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1			S.E. by E.	N.E.	4		30.44	72	73	72		0	Cum. Strat.	0	S.	
2			N.E.	E.N.E.	4		30.44	72	74	73		b.c.	"	1	"	
3			N.W. by N.		4		30.44	72	74	73		"	"	2	"	
4				E.	4		30.44	72	75	73		"	"	6	"	
5			S.E.		2		30.39	73	74	73		"	"	4	"	
6			S by E.	E.S.E.	2		30.38	72	73	72		"	"	5	"	
7			"	"	2		30.38	72	73	72		"	Cir. Cum.	8	"	
8			N. by E.		2		30.38	71	73	72		"	"	9	"	
9			N.	E.	4		30.40	71	72	71		"	"	2	"	
10			N.N.	"	3		30.40	71	72	71		"	"	5	"	
11			S.		3		30.43	71	72	71		"	"	7	"	
Mid.			S. by E.	E.N.E.	2		30.43	71	72	71		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander H. B. Sahley, U. S. Navy,

Monday, August 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Light breeze from North and N.E. Long swell. Barometer falling slowly. At 1.10 swung to ebb and at 3.55 to flood

(Signed) Sam. C. Lemly
Ensign

4 to 8 AM. Clear and pleasant. Calm. American Steamer "City of Rio de Janeiro" came in and anchored. Swung to ebb at 7. At 7.20 Flagship made gen. sig. 3357. Answered. Philip Hazard (O.S.) was brought on board in a State of beastly intoxication

(Signed) J.K. Cogswell
Lieut.

8 AM. to Merid. Cloudy. Pleasant. Light airs from N.E. first three hours. Moderate breeze from E.N.E. last hour. Summary Court met at 9.40 and adjourned at 10.50. Patrick Punch (O.S.) and John Orlmon (O.S.) returned on board. Swung to flood at 10.20.

(Signed)
C. B. J. Moore
Ensign

Merid. to 4 P.M. Cloudy and pleasant. Moderate breeze from N.E. to East. At 12.20 Flagship made gen. sig. 2735, and at 2.20 2984. Answered. Swung to the ebb at 1.20

(Signed) J.K. Cogswell
Lieut.

4 to 8 P.M. Clear cool and pleasant. Light to breeze from E.S.E. At 4.40 Flagship made Prep. sig. 5404. Answered. At 5.10 went to quarters to serve out clean hammocks. By order of Comdg. Officer confined James Brady (Mach.) in single irons for misconduct persisting in his desire to see the Comdg. Officer. Swung to ebb at 7.00.

(Signed) C. B. J. Moore
Ensign

8 P.M. to Midt. Cloudy and pleasant. Light to moderate breeze from East to E.N.E. Bright moonlight. Swung to flood at 11.

(Signed) J.K. Cogswell
Lieut.

Moons phase 2d qr. Dec. S 23°

Examined and found to be correct.

(Signed)
Asa Walker
A. A. Navigator.

LOG of the UNITED STATES Steamer "Essex". , 3d Rate, 6 Guns,

Rio de Janeiro, Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			Sby S.	N. E.	2		30-48	71	72	71		b.	Some	10	S.	
2			N. by W.	"	2		30-43	71	72	71		"	"	10	"	
3			N.	"	1		30.40	71	72	71		"	"	10	"	
4			"	"	0-1		30.40	71	72	71		"	"	10	"	
5			"	"	0-1		30.38	71	70	70		"	"	10	"	
6			S.	"	0-1		30.38	70	71	70		b. c.	Cum.	6	"	
7			N. by W. by W.	"	0-1		30.39	69	70	69		"	"	4	"	
8			N.	N.	1		30.40	69	70	69		"	Cirro-Cum.	3	"	
9			"	Calm	0		30-40	71	72	71		"	"	8	"	
10			N. N. W.	N. N. W.	0-1		30.42	71	73	72		"	"	9	"	
11			N.	N. W.	0-1		30.42	72	73	72		"	"	9	"	
Noon.			W. by W.	"	0-1		30.42	72	74	73		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1700	"	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.																
1			S by W.	S. S. E.	1-2		30.38	72	74	73		b. c.	Cirro-Cum.	7	S.	
2			S. S. W.	"	2		30.35	72	74	73		"	"	7	"	
3			W. N. W.	S. E.	1-2		30.33	73	76	74		"	"	7	"	
4			N. E.	"	½		30.33	73	74	73		"	"	5	"	
5			S. S. E.	E.	2-3		30.33	74	74	73		"	"	6	"	
6			S. E.	E. S. E.	4		30.30	72	73	72		"	"	7	"	
7			E. S. E.	"	4		30.33	72	72	70		"	"	8	"	
8			E. by N.	"	5		30.34	72	71	69		"	"	8	"	
9			N. N. E.	N. E.	2-3		30.34	71	71	70		"	"	7	"	
10			N. by E.	"	1		30.33	71	71	70		"	"	7	"	
11			N. E.	"	1		30.33	71	71	70		"	"	6	"	
Mid.			"	Calm	0		30.33	71	70	70		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander N. B. Schley, U. S. Navy,

Tuesday August 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light breeze from N.E. to light airs. Turning to ebb at 1.30.

(Signed) C. B. T. Moore
Ensign

4 to 8. A.M. Clear and pleasant first hour, cloudy remainder of watch. Light airs from N.E. and N. Barometer rising. Sea smooth. Turning to flood at 6.30, and to ebb at 6.40. At 7.20 Flagship made gen. sig 3457. Answered.

(Signed) C. K. Curtis
Lieut.

8 A.M. to Merid. Clear and pleasant. Light airs from N.N.W. to N.W. At. 9.15, inspected at quarters. Received in Equipment Department 2 coils manilla rope 3/4 in. 1 coil 3/8 in. 1 coil 2 1/4 in. and 2 coils 3 3/4 in. James Brady (Mach.) was released from confinement by order of Commanding Officer. Sent launch to Guard for the purpose of transferring stores.

(Signed) J. K. Cogswell
Lieut.

Merid. to 4 P.M. Clear and pleasant. Wind light from S.S.E. to S.E. Barometer falling. Sea smooth. Tide turned ebb at 2.30. Received in Equipment Department the following stores viz: 1 coil manilla rope 1 1/2 in. 1 coil 1 3/4 in. and 25 fathoms hemp rope 3/4 in. At 3.30 U.S.N. Gunboat "Avon" got underweigh and left the harbor.

(Signed) C. K. Curtis
Lieut.

4 to 8. P.M. Clear and pleasant. Light breeze first part, increasing to stiff breeze and shifting from S.E. to S.S.E. At 5.15 Flagship made gen. sig. 2985. Answered. Turning to the flood at 4.30.

(Signed) J. K. Cogswell
Lieut.

8 P.M. to Midt. Clear and pleasant. Wind light from N.E., calm latter part of watch. Barometer falling slowly. Sea smooth. Moonlight. Ebb tide.

(Signed) C. K. Curtis
Lieut.

Moons phase 2d qr. S 26°

Examined and found to be correct.

(Signed) Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d Rate, 6 Guns,

Rio de Janeiro, Brazil.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W. by S.	N. W.	0-1		30.35	70	71	70		b. a	Cir. Cum.	9	S	
2			S. S. E.	N. N. W.	1		30.35	70	71	70		b	Nimbi	10	"	
3			N.	N.	1		30.35	70	71	70		"	"	10	"	
4			"	E.	1		30.35	69	70	69		"	"	10	"	
5			"	"	1		30.35	69	70	69		"	"	10	"	
6			"	"	1		30.35	69	70	69		"	"	10	"	
7			"	"	1		30.33	69	69	68		"	"	10	"	
8			"	"	1		30.33	69	70	69		"	"	10	"	
9			N. W. by N.	N. W.	1		30.35	70	70	69		b. a	Cir. Cum.	9	"	
10			"	Calm	0		30.37	71	72	71		"	"	9	"	
11			"	"	0		30.35	71	72	71		"	"	9	"	
Noon.			N. W.	"	0		30.34	72	74	72		"	"	9	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	400 gallons.		
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	1300 "		
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			E. by S.	S. E.	2		30.30	72	74	72		b. a.	Cir. Cum.	8	S	
2			S. W. by W.	"	2		30.27	72	74	72		"	"	8	"	
3			"	"	2		30.26	72	74	72		"	"	8	"	
4			"	"	1-2		30.25	72	74	72		"	"	8	"	
5			N. by W.	"	2		30.25	73	73	71		"	"	8	"	
6			N. W.	"	1		30.25	73	73	71		"	"	7	"	
7			S. S. E.	Calm	0		30.25	73	73	72		"	"	5	"	
8			"	"	0		30.25	73	73	72		"	"	5	"	
9			"	"	0		30.25	73	72	71		"	"	7	"	
10			N. N. W.	"	0		30.25	72	73	72		"	"	7	"	
11			"	"	0		30.25	71	72	71		"	"	8	"	
Mid.			"	"	0		30.25	71	71	70		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. D. Schley, U. S. Navy,

Wednesday, August 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from N.W. to East. Turning to the ebb at 3.30.

(Signed) J. K. Cogswell
Lieut.

4. to 8. A.M. Clear and warm. Light variable airs. Engaged in blacking down.

(Signed) L. P. Jouett
Master

8. A.M. to Merid. Clear and warm. Wind light from N.W. first hour. Calm remainder of watch. Barometer rising. Sea smooth. Ebb tide.

(Signed) Ca K. Curtis
Lieut.

Merid. to 4 P.M. Clear and warm. Light breeze from S.E. Sent first cutter in charge of an officer for sand.

(Signed) L. P. Jouett
Master

4. to 8. P.M. Clear and pleasant. Wind light from S.W. Calm last half. Barometer steady. Sea smooth. Turning to flood at 5.50. By order of Comdr. Daniel Shelly (Sds) confined in double irons for smuggling liquor on board.

(Signed) C. K. Curtis
Lieut.

8. P.M. to Midt. Clear and pleasant. Calm. At 9.50 turning to ebb tide.

(Signed) L. P. Jouett
Master

Moons phase 2d qr. S. 27°

Examined and found to be correct.

(Signed) Asa Walker,

Lieut & Navigator

LOG of the UNITED STATES Steamer "Essex", 2nd Rate, 6 Guns,
Rio de Janeiro, Brazil

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the call the vessel is under at end of watch.
A. M.																
1			N. Westerly	N.	1		30.24	71	71	69		b. a.	Cir. Cum.	9	S.	
2			"	"	1		30.22	70	71	69		"	"	9	"	
3			N. N. E.	"	1		30.20	70	71	69		"	"	9	"	
4			N. by E.	"	1		30.20	70	71	69		"	"	9	"	
5			N.	N. E.	1		30.20	70	69	68		"	"	9	"	
6			"	N. N. W.	1		30.20	70	69	68		l. c. m.	"	5	"	
7			N. by E.	"	0-1		30.22	69	68	68		"	"	5	"	
8			S. by E.	N. by E.	0-1		30.22	69	70	70		"	"	7	"	
9			N. N. W.	N. N. E.	1-2		30.22	69	70	68		"	"	7	"	
10			W. by N.	"	1-2		30.20	70	70	69		"	"	7	"	
11			"	"	1-2		30.23	70	72	70		"	"	7	"	
Noon.			"	"	1-2		30.23	70	73	72		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ′ ″
Longitude by D. R. at Noon — ° ′ ″
Latitude by Observations at Noon ⊙ — ° ′ ″
Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″
Current during the time — knots — fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″
Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″
Water expended during the preceding 24 hours — 300 gallons.
Water received during the preceding 24 hours — 1650 "
Water remaining on hand fit for use at Noon — 2650 "
Coal consumed during the preceding 24 hours — tons — lbs.
Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the call the vessel is under at end of watch.
P. M.																
1			E. by S.	S. S. E.	2		30.16	71	73	72		b. a.	Cir. Cum.	9	S.	
2			E.	"	3		30.14	71	73	72		"	"	9	"	
3			E. by S.	"	3		30.12	72	73	71		"	"	9	"	
4			E. N. E.	"	3		30.11	71	72	71		"	"	9	"	
5			"	"	3		30.11	72	72	71		"	"	9	"	
6			N. N. W.	"	3		30.11	72	72	71		"	"	9	"	
7			"	"	2		30.11	72	72	71		"	"	9	"	
8			"	N. N. W.	2		30.11	72	72	71		"	"	9	"	
9			N. N. W.	"	1		30.11	71	72	71		l. c. m.	"	7	"	
10			W. by N.	Calm	0		30.11	71	72	71		"	"	6	"	
11			"	N.	1		30.11	71	72	71		"	"	4	"	
Mid.			N. N. W.	"	0-1		30.11	71	72	71		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″
Longitude by Chronometer from Observations * — ° ′ ″
Variation of the Compass by Amplitude observed at Sunset — ° ′ ″
Variation of the Compass by at — ° ′ ″

under the command of Commander W. A. Ashley, U. S. Navy,

Thursday, August 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Wind light from N. Barometer falling. Sea smooth. Ebb tide.

(Signed) C. K. Curtis
Lieut.

4. to 8 AM. Clear and pleasant. Light airs ranging from N. E. to N. N. W. Misty. Turning to flood at 7.20. At 7.45 Flagship made gen. sig. 3357. Answered.

(Signed) Sam C. Lemly
Ensign

8. AM. to Noon. Clear and pleasant. Barometer steady. Sea smooth. Engaged painting ship inside.

(Signed) S. P. Jouett
Master

Noon to 4 P.M. Clear and pleasant. Light to gentle breeze from S. S. E. Turning to flood at 1.55. Painting ship inside. At 3.53 Flagship made gen. sig. 3967 and dog. 1516. Answered.

(Signed) Sam. C. Lemly
Ensign

4. to 8. P.M. Clear and pleasant. Light to gentle breeze from S. S. E. Finished painting ship inside. Turning to the flood at 6.20.

(Signed) S. P. Jouett
Master

8 P. M. to Midt. Cloudy last two hours. Calms and light airs from W. N. W. and W. Misty. Moonlight. Turning to ebb at 11.05.

(Signed) Sam. C. Lemly.
Ensign

Moons phase 2d qr. S. 27°

Examined and found to be correct.

(Signed) Asa Walker

Lieut. & Navigator

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

Rio de Janeiro, Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the rail the vessel is under at end of watch.
A. M.																
1			N.N.W.	N.W.	1		30.12	71	72	71		b.	Nmc	10	S.	
2			"	"	1		30.11	71	71	70		"	"	10	"	
3			"	"	1		30.10	70	71	70		"	"	10	"	
4			"	"	1		30.10	70	70	69		"	"	10	"	
5			"	N.N.W.	0-1		30.08	70	70	69		"	"	10	"	
6			"	"	0-1		30.08	70	70	70		b.c.m.	Cir. Cum.	9	"	
7			N.N.E.	N.N.E.	0-1		30.08	70	70	70		"	"	9	"	
8			N. by E.	W.N.W.	1		30.08	70	70	70		"	"	9	"	
9			S.S.E.	N.E.	1		30.10	71	71	71		b.c.z	"	9	"	
10			S.W. by S.	N.N.W.	1		30.15	71	71	71		"	"	9	"	
11			W. by S.	"	2		30.14	71	71	72		"	"	9	"	
Noon.			N.N.W.	"	1		30.15	72	72	72		"	"	9	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2300	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			N.	N.E.	1		30.12	75	70	74		b.c.	Cir. Cum.	9	S.	
2			"	"	1		30.12	75	70	74		"	"	7	"	
3			N. by W.	Calm	0		30.08	76	48	76		"	"	9	"	
4			N.N.W.	"	1		30.08	76	78	76		"	"	2	"	
5			N.N.W.		2		30.07	74	76	74		"	"	2	"	
6			N.W. by W.	S.S.W.	2		30.07	74	73	73		"	"	2	"	
7			N.W.	"	1		30.07	74	70	74		"	Cir. Strus	1	"	
8			W. by N.	"	1		30.10	74	70	74		"	"	1	"	
9			S.S.E.	Calm	0		30.10	74	70	74		b.c.z	Cir. Cum.	4	"	
10			S.	"	0		30.10	74	70	74		"	"	6	"	
11				"	0		30.10	73	74	73		"	"	4	"	
Mid.			N.W.	"	0		30.10	70	74	70		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. B. Schley, U. S. Navy,

Friday, August 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Clear and pleasant. Light airs from N. W. Ebb tide.

(Signed) S. P. Jouett
Master

4 to 8 a.m. Clear and pleasant. Hazy around the horizon. Light variable airs. At 7.20 Flagship made gen. sig 3357. Answered. Received on board fresh provisions for crew. At 8. dressed mast heads of ship. Brazilian flag at main, in honor of Brazilian holiday. Ebb tide.

(Signed) C. B. T. Moore
Ensign

8 a.m. to Merid. Clear and hazy. Warm. Light airs to light breeze from N. E and N. N. W. At 9.15 Brazilian iron clad Bahia got underway and went out. At 9.15 inspected at quarters. Unshackled port chain from mooring swivel and shackled starboard chain to swivel. Steamer to ebb at 11.45. Received in Equipment Department ½ ton blacksmiths coal. Hawse clear.

(Signed) Sam. C. Remey.
Ensign

Merid. to 4 P.M. Cloudy and warm. Light airs from N. E. first two hours of watch. Sea breeze set in at 2.30. Released Daniel Shelly (Sea) and Corpl. Thomas Jones (M. C.) from confinement by order of Executive Officer. Working on main deck and port awnings. Ebb tide.

(Signed) C. B. T. Moore
Ensign.

4 to 8 P.M. Cloudy, pleasant. Light airs to light breeze from E. and E. S. E. At 4. hove up starboard anchor. Made sail to topsails and stood up to N. 2° W., veering to 90 fms. port chain. Set go starboard anchor. Shortened and furled sail. Hove in to 45 fms. port chain and put on mooring swivel. At 5.20 Flagship made gen. sig. 2985. Answered.

(Signed) Sam. C. Remey
Ensign.

8 P.M. to Midt. Cloudy. Hazy. Pleasant. Calm. Cir. cum. clouds. At 9 swung to flood. At 11.30 swung to ebb.

(Signed) C. B. T. Moore
Ensign.

Moon's phase 2d qr. Dec. S. 26°.

Examined and found to be correct.

(Signed) Asa Walker
Lieut.

Navigator

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

Rio de Janeiro, Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.W. by N.	W. by S. W.	1		30-10	75	75	74		b. c.	Cirro Strat.	2	S.	
2			N. by W.	Calm	0		30-10	75	75	74		〃	〃	0	〃	
3			N. No. W.	〃	0		30-10	75	75	74		〃	〃	0	〃	
4			N. by W.	N. N. E.	0-1		30-10	75	75	74		〃	〃	0	〃	
5			N. N. W.	W. by W.	0-1		30.06	73	75	75		b. c.	〃	1	〃	
6			N. by W.	〃	1		30.06	73	74	73		〃	〃	1	〃	
7			〃	〃	1		30.07	70	74	73		〃	〃	1	〃	
8			〃	〃	0-1		30-10	74	75	74		〃	〃	1	〃	
9			N. W. by W.	N. W.	1		30-12	74	76	75		〃	〃	1	〃	
10			W.	N. N. W.	1		30-12	75	77	76		〃	〃	1	〃	
11			S. S. W.	W. N. W.	1		30-12	75	77	76		〃	〃	3	〃	
Noon.			W. by S.	〃	1		30-09	76	78	77		〃	〃	5	〃	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300		gallons.
Water during the preceding 24 hours			〃
Water remaining on hand fit for use at Noon	2000		〃
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	〃		〃

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			N. by W.	N.	1		30.05	77	81	79		b. c.	Cir. Cum.	6	S.	
2			N. N. W.	〃	1-2		30.00	78	82	78		〃	〃	6	〃	
3			N. by W.	〃	1-2		30.00	79	84	79		〃	〃	7	〃	
4			N.	〃	1-2		29.98	80	84	81		〃	〃	7	〃	
5			N. N. W.	N. E.	1		29.98	81	85	83		b.	None	10	〃	
6			〃	Calm	0		29.98	81	82	80		〃	None	10	〃	
7			〃	〃	0		29.96	79	81	79		〃	〃	10	〃	
8			〃	〃	0		29.97	79	79	79		〃	〃	10	〃	
9			N.	〃	0		29.97	78	79	78		〃	〃	10	〃	
10			S. S. E.	〃	0		29.97	78	78	78		〃	〃	10	〃	
11			S. S. W.	〃	0		29.98	77	78	78		〃	〃	10	〃	
Mid.			S. W.	〃	0		29.98	77	78	78		〃	〃	10	〃	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. L. Schley, U. S. Navy,

Saturday August 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast. pleasant. Calm and light airs from W. S. W. and N. N. E. Ebb tide.

(Signed) Sam. C. Lemly
Ensign

4. to 8. AM. Cloudy. Pleasant. Light airs from W. & N. Barometer rising slowly. Sea smooth. Ebb tide. At 7.20 Flagship made gen. sig. 3351. Answered.

(Signed) W. G. Harrison
Midshipman

8. AM. to Merid. Cloudy and warm. Light airs from N. W. to W. N. W. Sent mail to Flagship. At 10. American Steamer "City of Rio de Janeiro" left the harbor. At 10.40 the U. S. S. "Alaska" got underway and steamed out of the harbor. Unmoored at flood at 9.30.

(Signed) C. B. T. Moore
Ensign

Merid. to 4. P.M. Clear and warm. Wind light from S. E. Barometer falling. Sea smooth. Turned to ebb 12.15. At 3.30 Flagship made gen. sig. 2984. Answered. Reuard Emile Eugene (N. & Stew.) declared a deserter, he having been absent from the ship ten days without permission.

(Signed) J. K. Cogswell
Lieut.

4. to 8. P.M. Clear and warm. Calm. Sky cloudless. Barometer commenced to rise last hour of watch. Ebb tide.

(Signed) C. B. T. Moore
Ensign

8. P.M. to Mid. Clear and pleasant. Calm. Barometer rising slowly. Sea smooth. Tide turned flood at 9.45.

(Signed) J. K. Cogswell
Lieut.

Moons phase 2d qr. Dec. S. 22°.

Examined and found to be correct.

(Signed) Asa Walker

Lieut. Navigator

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Rio de Janeiro, Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the mile the vessel is under at end of watch.
A. M.																
1			N.	N. W.	0-1		30.00	76	77	75		b.c.	bi. Cum	9	L.	
2					0-1		30.00	76	77	75		"	"	9	"	
3			N. N. W.	E. N. E.	0-1		30.00	75	76	75		"	"	9	"	
4			"		0-1		30.00	75	76	75		"	"	9	"	
5			"	Calm	0		30.00	75	76	75		"	"	8	"	
6					0		30.03	75	75	74		"	"	8	"	
7			N.	N. W.	0-1		30.03	75	75	74		"	"	8	"	
8					0-1		30.06	75	75	74		"	"	6	"	
9			S. S. W.	N.	0-1		30.06	75	78	75		"	"	5	"	
10			"	"	0-1		30.08	76	79	76		"	"	5	"	
11			"	"	0-1		30.07	76	78	76		"	"	1	"	
Noon.			S. W. by S.	"	1		30.04	76	79	76		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1700	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			N. N. W.	N.	1		30.05	78	80	79		b.c.	bi. Cum	8	L.	
2			"		1		29.97	78	81	80		"	"	9	"	
3			"	N. by E.	1		29.96	79	82	81		"	"	8	"	
4			N. by W.		1		29.95	78	82	81		"	"	9	"	
5			N. W.	N.	1-2		29.96	80	81	80		"	"	8	"	
6			"	"	1		29.98	80	81	81		"	"	8	"	
7			"	"	1		29.96	80	82	80		"	"	8	"	
8			N. N. W.	Calm	0		29.96	80	82	80		"	"	8	"	
9			N.	N. N. W.	0-1		29.99	78	78	76		"	"	9	"	
10			N. by W.	Calm	0		30.03	76	79	76		b.	Stone	10	"	
11			S. by W.	S. S. W.	4		30.07	77	77	75		b.c.	Cum	9	"	
Mid.			S. S. W.	"	3-5		30.09	76	76	75		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander N. S. Schley, U. S. Navy,

Sunday, August 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from N. W. first two hours, and from E. N. E rest of watch. Sunning to Ebb at 2.45.

(Signed) C. B. T. Moore
Ensign

4. to 8 A.M. Clear. Pleasant. Calm first part. Light airs from N. W. latter part. Cir. Cum. clouds. Riding to ebb. Received on Pay. Dept. 153# fresh beef and 155# vegetables for crew. At 7.20 Flagship Made Sgn. sig. 3357. Answered.

(Signed) C. K. Curtis
Lieut.

8. A.M. to Merid. Clear and warm. Wind light from N. Barometer rising. Sea smooth. Sunning to flood at 8.45: At 9.45 held preliminary inspection, and at 10.00 Comdr. inspected ship and crew at quarters, immediately after called to muster and read prayers on quarter deck. Sent parties of libirty men on shore.

(Signed) F. K. Cogswell
Lieut.

Merid. to 4 P.M. Clear. Warm. Light NW'ly breze from N. Sunning to ebb at 13.45. French mail steamer got underway and stood out to sea.

(Signed) C. K. Curtis
Lieut.

4. to 8. P.M. Clear and warm. Wind light from N. Calm last hour. Barometer steady. Sea smooth. Ebb tide. At 5.15 Flagship made Sgn. Sig. 2985. Answered.

(Signed) F. K. Cogswell
Lieut.

8 P.M. to Mid. Calm and pleasant. Light airs from N. N. W. first hour and calm. Sea breze from S. S. W. set in at 10.15; and blew rest of watch from gentle to moderate breze. Sunning to the flood at 9.

(Signed) C. K. Curtis
Lieut.

Moon's phase 2d qr. Dec. S. 18°

Examined and found to be correct.

(Signed) Asa Walker
Lieut. Navigator

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Rio de Janeiro, Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
A. M.																
1			S. W.	S. W.	1-4		30.11	75	75	74		b.c.	Cum.	9	S.	
2			W.S.W.		1-3		30.11	75	74	74		"	"	8		
3			W.W.	W.	1-2		30.11	74	73	72		"	"	8	"	
4			W.W.by W.	"	1		30.11	74	73	72		0		0	"	
5			"	"	3		30.12	70	72	71		b.c.m.	Cir. Cum.	8	"	
6			W.N.W.	"	2		30.17	73	72	71		"	"	4	"	
7			"	W.N.W.	2		30.22	73	72	71		"	"	6	"	
8			S.W. by S.	"	1		30.22	73	72	71		"	"	8	"	
9			N.N.E.	N.	1-2		30.24	75	74	73		b.c.	"	6	"	
10			E.	"	0-1		30.25	75	74	70		"	"	6	"	
11			S.S.W.	N.E.	0-1		30.25	75	75	74		"	"	7	"	
Noon.			"	"	0-1		30.25	75	75	76		"	"	5	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time knots fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — 300 gallons.
Water during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 1400 "
Coal consumed during the preceding 24 hours — tons lbs.
Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
P. M.																
1			S.W. by S.	N.N.E.	0-1		30.20	74	76	74		b.c.	Cir. Cum.	8	S.	
2			W.S.W.		0-1		30.18	76	78	76		"	"	7	"	
3			S.W.	S.S.W.	3		30.18	76	77	75		"	"	8	"	
4			"		3		30.17	73	76	75		"	"	9	"	
5			W.	S.	4		30.17	71	73	72		"	"	8	"	
6			S.S.W.	"	3.5		30.17	71	72	71		b.c.m.	Cir. Cum.	8	"	
7			"	"	3		30.20	71	71	70		"	"	7	"	
8			"	"	2		30.20	71	71	70		"	"	7	"	
9			"	Calm	0		30.20	73	70	72		b.	"	5	"	
10			"	S by W.	2		30.20	73	73	72		"	"	0	"	
11			"		2		30.20	73	73	72		"	"	0	"	
Mid.			"	S.S.W.	3		30.20	73	70	72		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Monday, August 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Wind blowing fresh in puffs from S.W. first half shifting to N. and increasing last half. Barometer steady. Ship moored. Ship drying to ebb at 2h40.

(Signed) J. R. Longwell
Lieut.

4 to 8 AM. Clear. Misty. Gentle breeze to light airs from W. and N.N.W. Ebb tide. At 7.20 Flagship made general Signal 3357. Answered.

(Signed) S. P. Jouett
Master

8 AM. to Merid. Clear. Warm. Very light airs from N. & E. Cir. Cum. clouds. At 9.20 exercised at general quarters. Time as follows Viz: Cutter Crew 2m 45s. Second in 2m 55s. By order of Executive Officer John Murphy (O.S.) was placed in double irons for not obeying an order and insolence. John Beall (O.S. 2d) was released from double irons and confinement discontinued in single irons. Serving to flood at 9.30. Executive Officer imposed the following punishments. Ellison Parker (2d Cl) 6 to 12 watch every night till James to keep forks clean. John Bullen (O.S.) Divide deck. One mid watch, extra duty. J. F. Roberts (O.S. 2d) W. J. Sheldon (O.S. 2d) Wm. Barber (Cox) James Eastrange (C. Smith) and John D. Kling (P. Mate) absent without leave.

Signed C. K. Curtis
Lieut.

Merid. to 4 P.M. Clear and pleasant. Light airs from N.N.E. first two hours. Gentle breeze from S.S.W. last two. Serving to ebb at 2.30. At 2h45 made meteg. sig. 4826. Flagship made sgna. sig. 2984. Answered.

Signed S. P. Jouett
Master

4 to 8 P.M. Clear. Pleasant. Moderate sea breeze from S. blowing in puffs. Cir. Cum. Strat. Clouds. Damp. J. F. Roberts (O.S. 2d) returned on board. Confined J. F. Roberts (O.S. 2d) in double irons for being drunk, disorderly and jumping on board. Wind falling light towards end of watch.

(Signed) C. K. Curtis
Lieut.

8 P.M. to Mid. Overcast. Calm first hour. Light to gentle breeze from S. W. and S.S.W. remainder of watch. Flood tide.

Moon's phase 3d qr. Dec. 5.1h.

Examined and found to be correct.

(Signed) Asa Walker,
Lieut. Navigator

LOG of the UNITED STATES Steamer "Essex", 2nd Rate, 6 Guns,

Rio de Janeiro, Brazil, S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.S.W.	S.S.W.	3		30.25	70	70	69		b. m.	Cir. Cum. Nimb.	0	S.	
2					3		30.25	70	70	69		b.c.m.	"	1	"	
3			N.N.W.	S.	2		30.25	70	70	69		"	"	1	"	
4			"		1		30.25	70	70	69		"	"	1	"	
5			"	N.N.E.	1		30.25	70	71	70		b.c.m.	Cum. Nimb	0	"	
6			"	Calm	0		30.25	70	72	71		"	"	0	"	
7			N.W.		0		30.25	70	72	71		"	"	0	"	
8			N.N.W.	E.N.E.	1		30.28	70	71	70		"	"	0	"	
9			W.N.W.	Calm	0		30.30	70	71	70		0	"	0	"	
10			S.S.O.	N.N.E.	0-1		30.32	70	72	71		"	"	0	"	
11			S.by E.	"	0-1		30.32	71	72	71		"	"	0	"	
Noon.			S.	E.	0-1		30.30	71	73	72		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	1100		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			S.	E.	0-1		30.28	71	74	71		0 m.	Cum. Nimb	0	S.	
2			"	S.by E.	0-1		30.25	71	72	71		"	"	0	"	
3			W.	S.	1		30.25	70	71	70		"	"	0	"	
4			N.W.	S.S.W.	3-4		30.24	70	71	70		"	"	0	"	
5			N.W.by N.	S.W.	2		30.24	70	71	70		"	"	0	"	
6			N.N.W	"	2		30.24	70	71	70		"	"	0	"	
7			N.W.		1		30.24	70	72	71		"	"	0	"	
8			W.N.W.	N.	1		30.25	71	72	71		0.	"	0	"	
9			S.S.W.	Calm	0		30.25	71	72	71		"	"	0	"	
10			S.by E.	W.by S.	1		30.20	71	72	71		"	"	0	"	
11			S.	N.N.W.	1		30.20	71	72	72		"	"	0	"	
Mid.			S.S.W.	Calm	0-1		30.20	71	72	72		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday, August 13th, 18 98.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy. Damp. Gentle S.W. breeze lying out towards end of watch. Cir. Cum. Nim. clouds. At 2, swung to ebb. Obscured moonlight.

(Signed) C. K. Curtis
Lieut.

4. to 8 AM. Overcast and misty. Light airs first hour from N.N.E. calm and light airs afterwards from E.N.E. At 7.20 Flagship made gen. sig. 3357. Answered. Secured mess gear for crew. Followed motions of Flagship and hoisted colors as American ship left the harbor. Ebb tide.

(Signed) Sam. C. Lemly
Ensign

8. AM. to Merid. Overcast. Pleasant. Calm and light airs from N.N.E. and E. At 9.15 mustered at quarters. Exercised at company drill, and dress parade. Turning to flood at 9.45.

(Signed) E. P. Jouett
Master

Merid. to 4 P.M. Overcast and misty. Damp. Light airs first three hours E. to S. last hour gentle to moderate breeze from S.S.W. At work on new awnings. At 2.30 slack water. Turning to ebb at 3.20.

(Signed) Sam. C. Lemly
Ensign

4. to 8 P.M. Overcast. Misty. Light breeze to light airs from S.W. and N. Ebb tide. At 5.20 Flagship made gen. sig. 3985. Answered. Slack water at 7.30.

Signed E. P. Jouett
Master

8. P.M. to Mid. Overcast and damp. Calm first hour. light airs rest of watch from W by S. to W.N.W. By order of Comdr. Ellicott Parker (Sick) stood four hours extra watch. Turning to flood at 9.20.

(Signed) F. G. Griffin
Midshipman

Moons phase 3d qr. Dec. S. 8°.

Examined and found to be correct.

(Signed) Asa Walker

Sicut Navigator

LOG of the UNITED STATES Steamer "Iris". 2nd Rate. 6 Guns,

Rio de Janeiro, Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S by W.	N. W.	1		30.20	70	77	70		o	Cirro Strat	0	Sm	
2			S.	Calm	0		30.30	70	77	70		"	"	0	"	
3			S.S.W. by W.	"	1		30.20	70	77	70		"	"	0	"	
4			S.W. by W.	"	1		30.20	70	77	70		"	"	0	"	
5			W.N.W.	"	0		30.23	70	71	70		"	Cirro Strat	0	"	
6			W. by N.	"	0		30.23	70	70	70		b.c.m.	"	3	"	
7					0		30.24	69	70	70		"	"	4	"	
8			W.	W.	0-1		30.25	70	70	70		"	"	4	"	
9			W. by N.	Calm	0		30.25	71	71	70		"	"	5	"	
10			S.	E.	1		30.27	71	72	71		"	"	7	"	
11			S by E.	S.S.E.	3		30.27	71	73	72		"	"	8	"	
Noon.			S.	"	2		30.27	72	73	72		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	807	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			S.	S.	2		30.23	72	75	73		b.c.	Strat Cirro	8	Sm	
2			S by W.	S. by W.	3		30.20	72	73	72		"	Cirro Strat	7	"	
3			S. by W.	S.S.W.	3-4		30.20	72	72	70		"	"	7	"	
4			S.S.W.	S.	3-4		30.20	72	71	70		b.	"	0	"	
5			W.N.W.	S.S.W.	3-4		30.20	71	71	70		b.m.	"	0	"	
6			W.	W.	0-1		30.20	71	71	70		"	"	0	"	
7			W.N.W.	"	0-1		30.22	71	71	70		b.c.	"	0	"	
8			W.S.W.	"	0-1		30.22	71	71	70		"	"	0	"	
9			S.W. by W.	"	2-4		30.22	71	70	69		b.c.	"	0	"	
10			S.W. by S.	"	2-3		30.24	69	69	69		b.c.	"	0	"	
11			S.S.W.	"	2-3		30.24	69	69	68		b.c.	"	0	"	
Mid.			"	"	2-4		30.25	69	68	68		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. B. Schley, U. S. Navy,

Wednesday, August 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast. Pleasant. Light airs from N.W. and calm. Turning to the ebb at 3.15. Long swell from S.E. & E.

Signed S. P. Jouett
Master.

4 to 8 AM. Cloudy and misty. Calm first three hours. Light airs from W. last hour of watch. Barometer rising slowly. Sea smooth. Ebb tide. At 7.20 Flagship made gen. sig 3351. Answered.

Signed C. B. T. Moore
Ensign

8. AM. to Mid. Cloudy and pleasant. Misty. Calm first hour. Light breeze remainder of watch from E. to S.E. At 9.15 inspected Officers quarters. Working on new awnings. Began to flood at 9.45.

Signed Sam. C. Seuly
Ensign

Mid. to 4 PM. Clear and pleasant first hour, overcast last part. Light to moderate breeze from S.E. to S.S.W. Flood tide. Ship rolling easily. Barometer steady.

Signed C. B. T. Moore
Ensign

4 to 8 PM. Overcast. Misty first part, ugly threatening weather latter part of watch. Gentle to stiff breeze from S.S.W. first hour. Light airs increasing to stiff breeze from West next of watch. Ebb tide.

Signed Sam. C. Seuly
Ensign

8 PM. to Mid. Weather cloudy and rainy. Wind fresh in squalls from W. Barometer rising slowly. Long swell from S.E. & W. Flood tide.

Signed C. B. T. Moore
Ensign

Moons phase 2d qr. Dec. 1. 3m.

Examined and found to be correct.

Signed Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 4 Guns,

Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. by E.	S. S. W.	3 5		30.29	65	67	67		cm.	Nimbi	0	S.	
2				"	3.6		30.29	65	65	65		"	"	0	"	
3			S. W.	"	3.5		30.29	65	63	63		cmy.	"	0	"	
4			W. by W.	W. S. W.	3.6		30.29	65	63	63		"	"	0	"	
5			W. by W.	"	3.4		30.29	65	65	65		"	"	0	"	
6			W. by W.	"	3		30.29	65	65	63		"	"	0	"	
7			"	"	2		30.30	66	64	65		c	"	0	"	
8			"	"	2		30.33	66	64	65		cm.	"	0	"	
9			W. by S.	"	2		30.37	66	64	65		cmy.	"	0	"	
10			W. S. W.	"	2		30.39	65	65	65		cm	"	0	"	
11			S.	W. by W.	2		30.38	65	65	65		"	"	0	"	
Noon.			S. by W.	"	2		30.37	65	65	65		"	"	0	0	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	300 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	570. "	
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1			S.	S. W.	2		30.34	66	66	65		cd.	Nimbi	0	S.	
2				S. by W.	1		30.33	66	66	67		c	"	0		
3			S. S. W.	"	2		30.31	66	66	67		"	"	0		
4			W. S. W.	"	2		30.32	67	67	66		"	"	0		
5			W. by W.	"	1		30.30	67	67	66		"	"	0		
6			"	"	0.1		30.32	67	67	66		"	"	0		
7			W. W. by W.	Calm	0		30.32	67	67	66		"	"	0		
8			W. W. W.	"	0		30.33	67	67	66		"	"	0		
9			S. S. W.	"	0		30.33	68	66	66		"	"	0		
10			S. S. E.	"	0		30.36	68	66	66		cd.	"	2		
11			S.	W.	1.2		30.39	68	66	66		"	"	2		
Mid.			S. by W.	"	1.2		30.38	67	66	66		"	"	1		

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander H. Scott Schley, U. S. Navy,

Thursday, August 12th, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and writes A.M. Overcast and cloudy weather. Rainy during whole of watch squally. Gentle to fresh breeze from S.S.W. to W.S.W. Rolling Taken sounds and ends this

Signed Danl. G. Quin
Ensign

From 4 to 8 A.M. Overcast Ugly. Rainy. Squally. Moderate W.S.W. breeze. Blowing in very fresh gusts. First part of watch Black water at 7 A.M. Received in Pay Dept 100 lbs Pork and 400 lbs vegetables.

Signed J. H. Goodell
Asst

From 8 A.M. to Noon. Cloudy and unpleasant. Drizzling rain first hour. Winds light to gentle from W.S.W. first half. From 4 to 8 last half of watch. Barometer rising. Employed from 8th and 12th at quarters inspection at quarters. By order of Comdy. Officer Thomas Hanley O.S. was released from confinement. and the following punishments awarded F. G. Jones O.S. for disrespect to Officer of deck. confined in double irons. J. Leighman O.S. 2d for charge and many repeated orders. 5 days on quarter deck. Black water at 11.15

Signed G. P. D. Moore
Ensign

From Noon to 4 P.M. Overcast Light N.W. breeze. first hour Light Hail and breeze remainder of watch. French freight Steamer came in and French mail Steamer left Harbor. Sounding 30 fms at 4

Signed J. H. Goodell
Asst

From 4 to 8 P.M. Weather overcast. Winds light from S. by W. first half. Calm last half of watch. Cir. Cum Strat clouds. At 8 Sounding 30 fms. Pay Dept received 2985.

Signed G. P. D. Moore
Ensign

From 8 P.M. to Midn. Cloudy. Cool. Damp. Calm first part. Light W.S.W. air latter part of watch. Cir. Cum Nimb clouds. At 8 Sounding 30 fms. Observed unusually lt.

Signed J. H. Goodell
Asst

Noon found 23d gr. Dist. 20

Examined and found to be correct.

Signed Asa Walker
Asst Navigator.

LOG of the United States Steamer "Essex", 3 Rate, 6 Guns,

Rio de Janeiro Brazils S.A.

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	State of the Sea.	Breast of the mill the vessel is under at end of watch.
A. M.																
1			S. by E.	Calm	0		30.30	66	66	65		bc.	Cirro Nimbus	1	A.	
2			S.	"	0		30.32	66	66	65		"	"	1		
3			S. S. E.	"	0		30.30	66	66	65		"	"	1		
4			S. E.	"	0		30.32	67	66	65		"	"	1		
5			S.	"	0		30.26	67	65	65		"	"	2		
6			S. by E.	N.	0-1		30.26	66	64	64		bc m	"	2		
7			N.	N. N. E.	0-1		30.28	67	65	64		"	"	1		
8			N. E.	N.	2		30.28	67	68	68		"	"	1		
9			N.	"	3		30.30	67	66	66		"	"	6		
10			S. S. E.	"	2		30.30	67	67	66		bc	"	6		
11			N. E. by E.	N. by E.	1		30.30	67	67	66		"	"	5		
Noon.			"	"	1		30.32	67	67	66		"	"	5		

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — 26900 "

Water remaining on hand fit for use at Noon — 3000. "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	State of the Sea.	Breast of the mill the vessel is under at end of watch.
P. M.																
1			S. by W.	S. by E.	3		30.28	67	68	67		bc.	Cirro Nimbus	7	A.	
2			S. by W.	"	3		30.32	68	68	67		"	"	5	"	
3			"	"	3		30.31	68	68	67		"	"	2	"	
4			"	"	3		30.30	68	68	68		"	"	2	"	
5			N. N. W.	"	4		30.30	68	68	68		"	"	4	"	
6			"	"	3		30.30	67	67	67		"	"	6	"	
7			N. by W.	"	3		30.30	67	67	66		"	"	6	"	
8			"	"	3		30.30	67	67	66		"	"	6	"	
9			S. W. by S.	W. S. W.	2		30.30	67	67	66		"	"	6	"	
10			"	W. N. W.	2		30.30	67	67	66		"	"	5	"	
11			S. S. W.	"	1		30.32	67	67	66		"	"	4	"	
Mid.			S. W. by S.	"	1		30.30	67	67	66		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. L. Scott U. S. Navy,

Friday August 16th, 1895.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Received Gale Barometer Long swell from S.E. and S.S.E. Sounding to ebb at 2.30

Signed G. P. T. Moore.

From 4 to 8 N. Cloudy. Mostly Pleasant Calm and light airs from N. and N.N.E. Ebb tide At 7.30 Flag Ship made general signals &c. Received fresh provisions for crew. Received 2400 gals fresh water

Signed G. C. Curtis Lieut

From 8 A. M. to N.E. and Steam Light Airs Breeze Cir. Cum Nimb clouds At 5.40 made entrance Buoy. Flag Ship answered gun At 9 hoisted sail to dry. At 9.30 exercised at Fire quarters. At 10. Rowing to flood. English Adm. (P.A. N.S.) left Harbor. At work on new lawnings

Signed J. F. Goodwills Lieut

From N.E. and to S.E. N. Cloudy. Pleasant Gentle breeze from S. by W. Flood tide. At 5.20 made entrance 5.25 P. Flag Ship answered gun At 5.30. Flag Ship made general signals 2985. At 12 N. by order of Comdr. Chief Eng. P. A. Rearick was suspended from duty for intoxication to await action of Comdr in Chief

G. C. Curtis Lieut

From — to S.E. N. Cloudy. Pleasant Moderate sea breeze from S. by W. Cir. Cum Nimb clouds. Rowing to ebb at 5.15. By order of Comdr. Frank Perkins (C.E.) was placed in close arrest for attempting to smuggle liquor in boat. Sent Sugar at 7.15.

Signed J. F. Goodwills Lieut

From S.E. N. to N.E. and Cloudy. Pleasant. Good. Light breeze to light airs from N. to N.N.W. and N.E. N. W. Flood tide

Signed G. C. Curtis Lieut

Moore. Pleased 82 gr. Dec 765°

Examined and found to be correct.

Signed. Alex Walker

Lieut Navigator.

LOG of the UNITED STATES Steamer Essex, 2d Rate, 6 Guns,

Rio de Janeiro Brazils S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
A. M.																
1			S. SW. W.	W. NW.	2		30.24	65	67	67		Dc	Cu. Strus	2	S.	
2			S. SW. W.	W. NW. NW.	2		30.24	66	67	67		"	"	1		
3			S. W. by S.		2		30.22	65	67	67		"	"	3		
4			W. S. W.		2		30.22	65	66	66		Od	"	0.		
5			W. W. W.	W.	2		30.22	65	64	64		b.c	"	2		
6			W. by W.		1		30.22	65	65	65		d.p	"	0		
7			W. W. W.	W. W. W.	2		30.22	65	64	64		Dc S.	"	1		
8			"		2		30.24	65	64	64		Dc	"	1		
9			W. S. W.	S. W.	4		30.26	69	68	65		Dcy.	"	3		
10			S. S. W.	"	4		30.01	67	67	66		"	"	4		
11			"	"	5.6		30.01	67	65	67		"	"	6		
Noon.			"	S. W. by S.	5.6		29.92	67	68	67		"	"	4		

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ☉ — ° ' "

Longitude by Chronometer from Forenoon Observations ☉ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ☉ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2700. "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
P. M.																
1			S. SW. W.	S. W.	3.6		30.32	67	68	67		Dcy.	"	5	S.	
2			S. S. W.	W. S. W.	3.6		30.32	68	69	68		"	"	6		
3			"	S. S. W.	2.5		30.32	68	69	68		"	"	6		
4			"	S. W.	2.5		30.30	69	69	67		"	"	8		
5			S. W. by W.	"	2.4		30.30	68	67	66		"	"	8		
6			W. W.	"	2		30.32	68	67	65		"	"	8		
7			W. W. W.	W. S. W.	2		30.32	68	67	65		"	"	9		
8			"	"	1		30.34	68	66	66		"	"	9		
9			Steer	"	1		30.34	66	66	66		"	"	9		
10			S. W. by S.	"	2		30.34	64	66	65		"	"	8		
11			S. W.	"	2		30.34	64	66	65		"	"	1		
Mid.			"	"	2		30.34	64	66	66		"	"	1		

Longitude by Chronometer from Afternoon Observations ☉ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Comdr. H. Scott Schley, U. S. Navy,

Saturday, August 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Good Light land breeze from W. by W. Observed moonlight. Sunday to obsd. Drizzling rain last half watch.

Signed J. H. Gorenflo
Asst

From 4 to 8 A.M. Cloudy and cool. Frequent passing showers. Light airs to light breeze from N. to N. by W. At 7.30. Divs. Ship made general sail. Ends.

Signed D. C. Jewett
Master

From 8 A.M. to Noon. Cloudy. Pleasant. Light to fresh breeze from S. by E. and S.E. by E. Flowing in squalls. Sunday to flood at 10.20. By order of Comdr. D. H. Jones, O.S. was released from confinement and John Hall, O.S. 2d was released from confinement in irons and mustered at quarters at large. to await action of Comdr in Chief on sentence of summary Court Martial. Ended the Gilbert Islands. Date for the cruise of. Except from 11th instant inclusive. Gilbert Islands. Also from Mr. A. D. from 12th instant inclusive. Asst J. H. Gorenflo left the ship on leave of absence.

Signed G. K. Curtis
Asst

Noon to 4 P.M. Cloudy and Pleasant. Squally. Gentle to stiff breeze varying in direction from N. by E. to S.E. by E. Flood Tide

Signed D. C. Jewett
Asst

From 4 to 8 P.M. Clear. Cool and Pleasant. Light breeze to light airs from E. and N.E. by N. Sunday to flood at 8.40.

Signed G. K. Curtis
Asst

From 8 P.M. to Midt. Cloudy. Cool. Disagreeable. Passing showers of rain. Light airs to light breeze from N.E. by E. Sunday to flood at 9.30. Moon rose at 10. Ship rolling easily.

Signed D. C. Jewett
Master

Noon found Chron. 2d Lieut. Fast 1m 12s

Examined and found to be correct.

Signed Alex Walker
Navigator.

LOG of the UNITED STATES "Levant" Erie, 3 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
A. M.																
1			S. W. by S.	W. S. W.	0-1		30.31	65	65	64		D. C.	Cum Nimb	4	S.	
2			"	"	1		30.34	65	65	64		"	"	6		
3			S. by W.	W. N. W.	0-1		30.34	65	65	64		"	"	3		
4			S. W.	W.	1		30.34	66	65	64		"	"	2		
5			W. W. by W.	"	1		30.30	63	64	64		"	"	2		
6			"	"	1		30.31	64	62	62		"	"	1		
7			S. S. W.	"	1		30.33	63	61	61		O. V.	"	0		
8			"	"	1		30.35	64	63	63		D. C. V.	"	3		
9				W. W. W.	1		30.36	65	64	64		D. C.	"	6		
10			S. W.		0-1		30.33	66	65	65		"	"	7		
11			S. by W.	W.	2		30.28	66	67	66		"	"	4		
Noon.			"	Calm	0		30.35	66	63	67.		"		4		
													V			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ☉	°	′	″
Longitude by Chronometer from Forenoon Observations ☉	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ☉ observed at	°	′	″
Water expended during the preceding 24 hours	300 gallons.		
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	2400.		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			S.	Calm	0		30.33	67	69	68		D. C.	Cum.	5	S.	
2			S. by W.	S. W.	1-2		30.31	67	69	68		"	"	7		
3			"	"	1-2		30.32	67	70	69		"	"	6		
4			S.	"	1-2		30.32	68	70	69		"	"	9		
5			"	S.	2		30.28	69	70	69		"	"	9		
6				S. S. W.	2		30.28	67	68	67		"	"	10		
7			S. by W.	S. W.	3		30.28	67	68	67		"	"	10		
8			W. W.	S.	2		30.28	68	68	67		"	"	10		
9			W. W. W.	S. S.	2		30.28	67	67	67		"	"	10		
10			S. by W.	"	2		30.28	67	67	67		"	"	10		
11			S.		1-2		30.28	67	67	67		"	"	10		
Mid.			S. by W.	W. S.	1		30.28	67	67	67		"	"	10		

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander H. Scott Schley, , U. S. Navy,

Sunday August 8th , 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M. Cloudy and pleasant. Bright moonlight. Light airs from N.W. and N.N.W. Flood tide.

Signed G. W. Coffin
Lieut.

From 4 to 8 A.M. Weather cloudy. Rainy during portion of watch. Light airs from N.W. Bar. rising. Sea smooth. At 7.36. Thus. Ship made general sig. 3850.

Signed Saml. G. Lemly
Ensign

From 8 A.M. to Meridn. Cloudy and pleasant. Light variable airs. Calm last hour. At 10. Cornly Officer inspected ship and crew at quarters. Afterwards read prayers. John Mogan 2d C. M. F. P. Donnell C. M. Geo. D. Adams C. M. and J. T. Marion O. S. absent from the ship without permission. By order of Comdr. T. Hunter (R.S.) was released from confinement. M. H. Hellen (R.S.) was sent from the Whale boat while on duty. Crew to flood at 10.30

L. C. Jouett
Master

From Meridn to 4 P.M. Partially cloudy. Pleasant. Calm first hour. Light airs from remainder of watch. Bar. falling. Sea smooth. Sent working party to Karlskoel and Guard Station. Steamer came in from do

Signed Saml. G. Lemly
Ensign

From 4 to 8 P.M. Cloudy and pleasant. Light to gentle breeze from S. to S.W. Thus. Ship made quotas. Signed 2985 James T. Marion O.S. 2d returned on board 9 1/2 from overtime. Ship rolling easily. Ship moored to Obs at 8 P.M.

Signed L. C. Jouett
Lieut.

From 8 P.M. to Midn. Clear and damp. Variable light from S. first half. from S.W. last half of watch. Bar. falling slowly. Sea smooth. Crew to flood at 9 P.M. Moon rose at 9.46. M. H. Hellen (R.S.) returned on board.

Signed Saml. G. Lemly
Ensign

Moons Phases 2nd qr. Dec. 7h 17m.

Examined and found to be correct.

Signed Jacob Walker
Navigator.

LOG of the UNITED STATES Steamer "Salvo", 3 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W.	Calm	0		30.26	67	65	65		Fair	Hazy	10	A	
2			W. by N. E.		0-1		30.26	67	65	64		"	"	10	"	
3			S.	"	0-1		30.25	66	65	64		"	Cum.	9	"	
4			S. S. E.	"	0-1		30.23	65	65	64		"	"	9	"	
5			"	"	0-1		30.25	65	65	64		"	Cum-Strat.	9	"	
6			W. by N.	"	1		30.25	65	64	64		"	"	8	"	
7			W. N. W.	W. N. W.	1		30.25	65	64	64		"	"	2	"	
8			"	"	1		30.25	65	63	62		"	"	2	"	
9			"	"	1		30.24	64	63	63		"	"	2	"	
10			W.	"	1		30.25	65	65	65		"	"	0	"	
11			S.	"	0-1		30.24	65	65	65		"	"	5	"	
Noon.			"	"	1		30.29	66	64	63		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ☉ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ☉ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ☉ observed at — ° ′ ″

Water expended during the preceding 24 hours — 400 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2000. "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S. S. E.	S. E.	3		30.20	67	68	67		Fair	Cum.	8	A	
2			S.	S. S. E.	3		30.17	68	69	68		"	Cirrus	9		
3			S. by E.	S.	2		30.16	69	70	67		"	"	8		
4			"	S.	4		30.16	69	70	68		"	"	8		
5			S.	S. E.	2-3		30.14	70	71	69		"	"	8		
6			"	"	2-3		30.16	70	71	70		"	"	8		
7			S. E.	S.	2		30.15	70	70	69		"	"	9		
8			W. by N.	"	0-1		30.15	70	70	69		"	"	9		
9			W.	W. S. W.	1		30.17	70	70	69		"	"	9		
10			"	"	0-1		30.17	69	70	69		"	"	9		
11			S.	Calm	0		30.17	69	69	69		"	"	9		
Mid.			"	"	0		30.17	69	69	69		"	"	9		

Longitude by Chronometer from Afternoon Observations ☉ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Monday August 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with Mod. Clear and cool. Calm first hour. Light airs and variable from NW to SW. Flood tide. Ship rolling easily.

Signed L. P. Jewett
Master.

From 4 to 8 A.M. Cloudy. Calm. Light airs from NW to E. Shifting to S at 8 A.M. at 7.30 answered to gun at 7.30 Reveille. Ship muster general signals 8.30. Large Italian Steamer left the Harbor. Received in Cash. Kept fresh provisions for crew.

Signed G. P. T. Moore
Ensign

From 8 A.M. to Noon. Cloudy and misty first part. Clear and pleasant latter part. Light airs from NW to W. Barometer falling slowly. Sea smooth. At 9 made entrance signal 2.30 P.M. Discharged at quarters. Fired 9 Exercises at general quarters. Fired 7 evening guns. Hoisted ensign 9 A.M. Manned 3 cutters. Manned 2 cutters. Pd. 2 Mo. 20 and 2 Mo. 2 months. 1 Mo. 2 Mo. to Mo. Received in 2 Mo. 20 Mo. By order of Comdr. W. H. Allen (A.P.) were placed in solitary confinement on bread and water for punishment from boat and Herman Meyer (O.C.) were placed in double irons to await trial by General Court Martial for smuggling liquor. The following punishments were awarded T. L. Roberts (O.S.) 2 hrs extra duty and Edson Parker (Ord.) 1 extra watch. Cutter No. 6 Steamer left the Harbor. Returned to flood at 10.30. Received in Cash. Kept 120 fms 3 inch manilla.

Signed Saml. G. Lemly
Ensign

From Noon to 4 P.M. Clear. Pleasant. Moderate sea breeze from S.W. at 2.30 P.M. made ensign signal 2.45 answered. At 3.40 made interrogative signal 3.46. P.M. Discharged 9 Sailors paid. Riding to flood.

Signed G. P. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Wind light from S. and S.W. Bar. falling slowly. Sea smooth. Swung to E at 7.30 at 8.00. Piped up hammocks. Ans. Trumpet sounded at quarters and secured out clear hammocks. Am. American Bark came in and anchored.

Signed Saml. G. Lemly
Ensign

From 8 P.M. to Midt. Clear. Wind light No. E. and first part. Calm latter part. Variable. Bar. Calm cloudy. At 10.30 returned to flood.

Signed G. P. T. Moore
Ensign

Moons phase 3rd qr. Dist. No 51°

Examined and found to be correct.

Signed Wm Walker
Navigator

LOG of the UNITED STATES Steamer Decay, 3 Rate, 6 Guns,

Rio de Janeiro Brazil S A

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			Var by N.	W.N.W.	1		30.18	68	69	68		b.c.	Cum Nimb	9	S.	
2			N by E	"	1		30.19	67	68	68		"	"	9		
3			N by E	"	1		30.19	67	68	67		"	"	9		
4			Var.	Calm	0		30.19	67	68	67		"	"	9		
5			S E by S	N.E.	1		30.19	68	68	67		"	"	7		
6			N.E.	N.N.E.	2		30.19	66	68	68		b.c.m.	"	2		
7			N by E	"	1		30.19	65	65	66		"	"	8		
8			N by E	N.N.W.	1		30.19	65	63	65		"	"	1		
9			"	N.W by N.	2		30.18	65	64	64		"	"	1		
10			N.W.	N.N.W	2		30.18	66	66	66		b.cp.	"	4		
11			"	N by W	3		30.20	66	67	66		"	"	6		
Noon.			S	"	3		30.20	66	67	66		"	"	8		

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ☉ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ☉ — ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ☉ observed at — ° ′ ″

Water expended during the preceding 24 hours — 200 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1700 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			N.E. by N.	Calm	0		30.15	68	69	68		b.c.	Cum	8	S.	
2			E.S.E.	E.S.E.	3		30.14	68	70	68		"	"	9		
3			E.	E.	3		30.14	70	72	70		"	"	9		
4			"	"	3		30.13	71	72	71		"	"	9		
5			"	"	3		30.12	72	72	71		"	"	9		
6			E by S.	"	3		30.10	71	72	71		"	"	9		
7			E.S.E.	"	2		30.10	71	72	71		"	"	9		
8			N.	Calm	0		30.10	71	72	71		"	"	9		
9			"	E.N.E.	1		30.10	71	72	71		"	"	9		
10			N by E.	N.	1		30.08	71	71	71		"	"	9		
11			E.S.E.	N.E.	1		30.05	70	71	70		"	"	9		
Mid.			E.S.E.	"	1		30.04	70	71	70		"	"	9		

Longitude by Chronometer from Afternoon Observations ☉ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander W. Scott Schley, , U. S. Navy,

Tuesday August 26th, , 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unites M. Mg. Clear and cool Steady light from W by W. Gun last hour Bar falling, Sea smooth. Abs Tide Bright moonlight

Signed Sam'l G. Dowle
Ensign

From M to 8 A.M. Cloudy and foggy. Steady light from W by S and SW. Sunny to ebb at 6 A.M. At 7.30 Day Ship made general Signal 880. At 9 A.M. French Surboat "Breat" came in and anchored. Received fresh provisions for week

Signed James G. Forsyth
Lieut

From 8 A.M. to Noon. Foggy and cloudy first half. Clear last two hours. Light airs from W by W to moderate breeze from W by W. At 8 minutes at quarter after which exercised Company at quarters at small arms. Riding to the ebb.

Signed G. B. N. Moore
Ensign

From Noon to 4 P.M. Clear Hazy. Calm last hour. Gentle breeze from S & W and S remainder of watch. Fleet Tide By order of Genl. John M. Corse. Sea and Mrs. G. Norcom left and visited Capt. Cope from August 1st 1878. Received in Engineer Dept 200 yds cotton canvas No 4 400 yds No 6 cotton canvas. 14 lbs sheeting & and 18 lbs cotton twine and 4 pack awls. Issued Contractors Dept 2 lbs 6d Iron cut nails 10 lbs 6d cut nails. 20 lbs 10d cut nails.

Signed J. M. Forsyth
Lieut

From 4 to 8 P.M. Calm. Hazy. Light sea breeze from SE. Gun cloudy. At 5.30 Day Ship made general signal 298. At 6.20 Ho made general signal 298. At sunset went to quarters and turned in clear hammocks. Cloudy. Officer of French Surboat "Breat" called on Cloudy Officer at 7.30 and way to ebb.

Signed G. B. N. Moore
Ensign

From 8 P.M. to 12 Mid. Clear Hazy. Light variable airs. Sunny to flood at 1.15 A.M. Returned Mr. Helen (Ch) from confinement

Signed J. M. Forsyth
Lieut

Noon Observed Sun's Merid. Dist N 25°

Examined and found to be correct.

Signed Asa Walker
Navigator

LOG of the UNITED STATES Sloop "Erie", 3 Rate, 18 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			N.	North	1		30.12	69	70	69		b com.	Cum Nim	9	S.	
2			N b W	"	1		30.12	69	67	68		"	"	9		
3			"	"	1		30.12	69	67	68		"	"	9		
4			"	"	1		30.11	68	67	67		"	"	9		
5			N N W	"	1		30.11	68	69	68		"	"	9		
6			N W	"	1		30.11	68	68	68		"	"	9		
7			W by N	N W	1		30.13	67	67	67		Cf.	"	0		
8			N W	"	1		30.14	66	65	65		"	"	0		
9			N W by W	N W	1		30.15	66	65	65		f.	"	0		
10			N W	"	1		30.15	66	67	67		"	"	4		
11			N W by N	N	1		30.16	65	68	69		b c f.	"	3		
Noon.			N W	"	1		30.15	65	69	69		"	"	6		

	knots	fathoms.
Distance run by Log since preceding Noon		
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	360	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1330	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
P. M.																
1			N.	South	1		30.12	70	70	70		b com	"	7	S.	
2				Calm	0		30.12	70	72	71		"	"	8	"	
3			N by W		0		30.10	73	74	73		"	"	8	"	
4			S S E		1		30.12	73	74	73		"	"	8		
5			S S W	S S W	2		30.07	78	75	73		"	"	8		
6			S by W		2		30.06	78	74	73		"	"	8		
7			S	South	3		30.07	78	74	73		"	"	7		
8			S S W by W	"	1		30.08	78	73	72		"	"	8		
9			N	Calm	0		30.10	72	72	72		"	"	9		
10			N W by W	"	0		30.10	72	72	71		"	None	10		
11					0		30.10	72	72	71		"	"	10		
Mid.			S S W	W by W	1		30.10	72	72	71		"	"	10		

Longitude by Chronometer from Afternoon Observations ⊙		°	′ ″
Longitude by Chronometer from Observations	*	°	′ ″
Variation of the Compass by Amplitude observed at Sunset		°	′ ″
Variation of the Compass by	at	°	′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Wednesday August 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and middle of M. Clear Good. Hands Light and boys from Mr. Gun Island. Moored at 2 P.M. Riding to ebb.

Signed G. W. T. Moore
Ensign

From 4 to 8 P.M. Clear first half of watch. Cloudy and overcast rest of watch. Foggy Light airs from S. and S.W. Swing to flood at 5 and to ebb at 6.20.

Signed G. K. Curtis
Lieut

From 8. P.M. to Midt. Misted. Cloudy and foggy Light airs from N.W. by W. and S. Ebb. Two o'clock watch at 11.15 at 8.30 Pay. Ship's muster general August 20th. Inspected and mustered at quarters.

Signed J. K. Cogswell
Lieut

From Midt. to 4 P.M. Clear and pleasant. Mostly cloudy Horizon. Light airs from S. first hour afterwards calm. Sea boys at 3.30 at 2.20 Called all hands to muster. John Hall Jr. was brought to the mast and finding and sentence of Summary Court Martial were read in his case. Guilty. Sentence dishonorable of liberty on shore on foreign station for one year and extra duty for three months. Hood was remitted by Comdr. Remainder to the following to be deprived of liberty on foreign station for six months and extra duty for three months. The proceedings finding and sentence were approved by R.T. Nicholson Rear Admiral Comdg. N. A. Naval Forces on E. I. Station. The sentence as mitigated was carried into execution. Seaman Myers (A.B.) was furnished with a copy and explanation of charges preferred against him. Pay. Ship's muster general August 20th. Swung to ebb at 2.40

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Clear. Mostly Pleasant. Gentle breeze to light airs from S. E. by E. and S. Swung to flood at 4.20.

Signed J. K. Cogswell
Lieut

From 8. P.M. to Midt. Clear and pleasant. Mostly cloudy Horizon. Dawn Calm first third hours. Light airs last two from S. by W. Swung to flood at 5.20 and to ebb at 11.15

Signed C. K. Curtis
Lieut

Moored Pilot last gr. Dec. Water 25'

Examined and found to be correct.

Signed A. W. Weeks
Lieut Navigator

LOG of the UNITED STATES Steamer "Eagle", 3 Rate, 6 Guns,

Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. E by E & N by W	N by W	1		30.10	71	72	71		Dem.	Cum.	9	S.	
2			N by W	"	0-1		30.10	71	72	71		"	"	9		
3			"	Calm	0		30.10	70	71	70		"	"	9		
4			"	N by E	1		30.10	71	71	70		"	"	7		
5			N by W	N. N W	1		30.09	69	68	68		"	"	7		
6			S.	"	1		30.10	68	68	68		"	"	7		
7			"	"	0-1		30.12	67	67	67		"	"	7		
8			S. W.	"	1		30.14	67	67	67		"	"	8		
9			N	North	1		30.19	67	68	67		"	"	8		
10			"	"	1		30.18	68	68	68		"	"	9		
11			"	"	1		30.15	68	70	70			"	6		
Noon.			N by E & N by E	N by W	1		30.15	68	71	70		"	"	7		

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			N by W	S. by W	1		30.10	71	73	72		Dem.	Cum.	8	S.	
2			N by W	"	1		30.07	71	73	72		"	"	8		
3			"	"	2		30.06	71	73	72		"	"	8		
4			North	"	1		30.06	71	73	72		"	"	8		
5			S. S. W.	S. S W.	1		30.06	71	73	72		"	"	8		
6			"	"	1		30.06	72	73	72		"	"	8		
7			South	"	2		30.07	72	73	71		"	"	8		
8			S. S W.	"	2		30.07	72	73	71		"	"	8		
9			S. W.	"	1-2		30.07	72	73	71		"	"	7		
10			N by W	N.	0-1		30.07	71	72	70		"	"	7		
11			N by E	"	1-2		30.07	71	71	70		"	"	7		
Mid.			N E.	"	1-2		30.07	71	71	70		"	"	6		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Thursday August 12th, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Mostly Calms and light airs from NW NW & W and SW & S Sunday to ebb at 2 A.M.

Signed G. W. Curtis
Lieut

From 4 to 8 A.M. Clear Mostly around to Foregon Light airs from W NW & W Bar rising Sea smooth Sunday to flood at 5.20 at 7.20 Thy Ship made general signal 608. Answered. Received in Report Left 1 spare anchor and stock (900 lbs)

Signed L. P. Jewett
Master

From 8 A.M. to Noon Cloudy but pleasant. Hazy Light airs from N and NW & W at 9 A.M. Employed at quarters Exercised Companies A & B at single sticks Tide to run ebb at 8.40 A.M.

Signed G. W. Curtis
Lieut

From Noon to 4 P.M. Clear Mostly Strong light from S by E. Barometer falling Sea smooth Ebb tide. Received in Construction Left 12 as Board.

Signed L. P. Jewett
Master

From 4 to 8 P.M. Clear and pleasant Light airs to light breeze from S. S. W. at 6.30 Thy Ship made general Signal 2958. How Sunday to ebb at 5

Signed G. W. Curtis
Lieut

From 8 P.M. to Midt. Weather clear and cloudy Mostly Strong light from S. S. W. and W. Bar steady Sea smooth. Sunday to ebb at 10.15.

Signed L. P. Jewett
Master

Moon's third last qr Dec. N. 27°.

Examined and found to be correct.

Signed Asa Crosby
Lieut Navigator

LOG of the UNITED STATES Steamer "Essex", 50 Rate, 18 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the still the vessel is under at end of watch.
A. M.																
1			NbE	E	1		30.07	70	72	69		Dcm	Cum	9	S.	
2			NbE	"	1		30.06	70	78	69		"	"	9	"	
3			NbE by E	"	2		30.06	70	69	68		"	"	9	"	
4			NbE by E	NbE	2		30.06	70	67	67		"	"	9	"	
5			"	NbE	1		30.09	70	67	67		"	"	9	"	
6			"	"	1		30.09	67	67	67		"	"	9	"	
7			S by E	"	1		30.09	67	67	67		S.	"	8	"	
8			S	"	1		30.12	67	67	67		"	"	8	"	
9			E	"	2		30.12	67	67	68		Dcm	"	9	"	
10			NbE	"	2		30.14	68	70	68		"	"	9	"	
11			NbE by E	"	2		30.12	70	71	70		"	"	9	"	
Noon.			NbE	"	1-2		30.12	71	70	71		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 400 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 600. "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the still the vessel is under at end of watch.
P. M.																
1			NbE	NbE	2		30.08	70	75	74		Dcm	"	4	S.	
2			NbE by E	"	2		30.06	70	76	75		"	"	5	"	
3			NbE	"	0-1		30.08	74	77	76		"	"	6	"	
4			"	"	0-1		30.08	76	78	77		"	"	6	"	
5			NbE by E	"	0-1		30.08	76	80	77		"	"	7	"	
6			S by E	"	0-1		30.08	76	80	78		"	"	8	"	
7			"	"	0-1		30.08	76	77	76		"	"	8	"	
8			S	"	0-1		30.06	76	77	76		"	"	5	"	
9			S by E	Calm	0		30.06	76	76	76		"	"	9	"	
10			E	"	0		30.07	74	76	74		"	"	9	"	
11			"	"	0		30.07	72	72	74		"	"	9	"	
Mid.			NbE	"	0		30.07	72	74	73		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Friday, August 27th, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A. M. Clear. Cove. Damp. Mostly around horizon. Light airs and to light breze from N. to N.W. Ebb Tide

Lieut. Geo. E. Curtis

From 4 to 8 A. M. Clear. Foggy. Light airs breze from N.W. At 7. swung to flood. At 7.20 Fleet Ships made general signal 225. Received in Cabin Hoist fresh provisions for ship. In Engine Room 16 lbs bellows leather

Lieuts Danl. G. Lemly, Engineer

From 8 A. M. to 12 Noon. Clear. Warm. Mostly. around horizon. Bar falling. Lead around. Ebb tide. At 9. to exercise at fire quarters. Tides as follows. 1st High 2h 2m 2nd High 8h 8m 3rd 2h 8m 4th 8h 8m Read at 12m Mornings 30th Secured in 1st 30s At 10. Summary. Court Martial of which Lieut G. E. Curtis was senior Officer and Master L. P. Jewett and Lieut. D. G. Lemly U. S. N. were members convened for the trial of Herman Meyer (Ord. 20) on charges preferred by Comdr. G. W. Schley. U. S. N. At work on new Foot. swung. At 11.20 Grand Tooth a record under U. S. N.

Lieuts L. P. Jewett, Master

From Noon to 4 P. M. Clear. Warm. Light airs from N.E. Fire Quarters cleared. Summary Court met at 1. At 2.30. Summary Court adjourned to await action of reviewing authority. Received on board from U. S. S. "Richmond" George Boyd (Landsman) At 3.20 Fleet Light Guard signals 295. Returning to ebb. All hands at work on new mainmast.

Lieuts Danl. G. Lemly, Engineer

From 4 to 8 P. M. Clear. Pleasant. Light airs from N.E. Barometer rising. Steadily. Lead around. Swung to flood at 5.30. At 8 called all hands away and exercised at back drill

Lieut L. P. Jewett, Master

From 8 P. M. to Midnight. Clear. Damp. Calm. Fire Quarters cleared. At 11.15 swung to ebb

Lieuts Danl. G. Lemly, Engineer

Moon & Planet East 9h. Dec. N. 27°

Examined and found to be correct.

Lieut. Jas. Hallas, Navigator

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			NbE NbE	NbE	0-1		30.00	73	73	72		bc.	Cir. Cum.	8	A	
2			NbE NbE	"	0-1		30.05	73	73	72		"	"	8	"	
3			"	"	0-1		30.04	72	72	71		"	"	8	"	
4			"	"	0-1		30.04	72	72	71		"	"	8	"	
5			NbE NbE	E.	0-1		30.04	71	72	71		"	"	7	"	
6			NbE NbE	NbE	1		30.07	71	72	71		"	"	8	"	
7			E. by E.	"	0-1		30.10	70	72	71		"	"	6	"	
8			E by E	"	0-1		30.10	71	72	72		bcm.	"	6	"	
9			E	"	0-1		30.15	71	72	72		"	"	6	"	
10			E. by E.	Calm	0		30.18	72	72	72		"	"	6	"	
11			E.	"	0		30.18	72	72	72		"	"	6	"	
Noon.			E. by E.	"	0		30.16	72	73	72		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 550 gallons.

Water received during the preceding 24 hours — 3720 "

Water remaining on hand fit for use at Noon — 27658 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
P. M.																
1			E. by E.	NbE	0-1		30.15	73	75	74		"	"	5	A	
2			[illegible]	E. by E.	2-1		30.18	73	76	73		"	"	4	"	
3			NbE NbE	E. by E.	4		30.18	73	75	73		"	"	3	"	
4			NbE NbE by E.	E. by E.	3		30.18	73	75	73		"	"	3	"	
5			NbE NbE	"	3		30.15	73	74	73		"	"	4	"	
6			E. by E.	"	3		30.15	72	73	71		"	"	3	"	
7			"	"	3		30.16	72	73	71		"	"	4	"	
8			E by E	"	3		30.17	73	73	71		"	"	7	"	
9			E. by E.	NbE	1		30.17	73	74	72		"	"	4	"	
10			E	Calm	0		30.17	73	74	73		"	"	3	"	
11			"	"	0		30.18	73	74	72		"	"	3	"	
Mid.			E.	"	0		30.18	73	74	72		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. Scott Schley, U. S. Navy,

Saturday August 21st, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A. M. Clear. Hazy. Light airs from N. to W. Bar. falling. Sea smooth. Abs Tits

Lieut. D. P. Jouett
Master

From 4 to 8 A. M. P. Cy. clear. Mostly. Light airs from S. W. and S. S. W. Running to flood at 4 AM 7.30 Play. Ship made quarantine signals 3287. Aud.

Lieut. C. P. T. Moore
Ensign

From 8 A. M. to Noon. Clear. Hazy. Warm. Air. Cum clouds. At 9.40 Play. Ship made signals to Aux 2094. Received on board 2730 gals fresh water. Bar. coal bar 3 lbs coarse 4 lbs 2 rules 10 gals shellac. By order of Comdr. John. Lieut. Mitchell Rogers James Gillmore Jr. U. S. Haggenbottom called Jno W. Scott U. S. N. patrol steamer from the 1st instant inclusive. Ashley across the harbor. Sent liberty party on shore until 5 P. M. to-morrow.

Lieut. Jas. C. Healy
Ensign

From Noon to 4 P. M. Cloudy. Mostly. Pleasant. Light airs from N. to E. first hour. Light to moderate breeze from E. S. E. N. remainder of watch. Abs Tits

Lieut. C. P. T. Moore
Ensign

From 4 to 8 P. M. Cloudy. Pleasant. Hazy. Warm. Gentle and breeze. Running in gats from S. S. W. At 7.30 running to flood.

Lieut. Jas. C. Healy
Ensign

From 8 P. M. to Midn. Cloudy. Mostly. Pleasant. Light airs from N. W. by W. first hour. Calm remainder of watch. Flood Tits.

Lieut. C. P. T. Moore
Ensign

Moon's phase last qr. 22nd. N. 22h

Examined and found to be correct.

Lieut. Ed Walker
Navigator.

LOG of the United States Steamer Essex, 3 Rate, 6 Guns,
Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N by E.	Calm	0		30.20	73	78.	72		Dcm.	Cir Cum	8	S.	
2			N.	"	0		30.20	73	73	72		"	"	8	"	
3			"	"	0		30.20	72	72	71		"	"	6	"	
4			N N E.	"	0		30.20	72	72	71		"	"	2	"	
5			"	N	0-1		30.20	72	72	71		Dcm	"	0	"	
6			"	"	0-1		30.20	72	72	71		"	"	0	"	
7			S. E.	Calm	0 1		30.20	71	72	71		"	"	0	"	
8			S	N	1		30.20	71	72	71		0	"	0	"	
9			S by E.	N E	1		30.20	71	72	72		Dcm	"	2	"	
10			S	N N E	0-1		30.20	72	78	72		"	"	3	"	
11			S S E.	"	0-1		30.15	72	78	72		"	"	2	"	
Noon.			E N E.	Calm	0		30.15	72	78	72		"	"	1	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300 gallons.		
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	25.500 "		
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.														
1		S. E.	S S E.	4-6		30.06	78	75	74		Dcm	"	0	S
2		S	"	6		30.03	78	74	73		"	"	0	"
3		S E.	S by E.	6		30.03	72	74	73		Dcm.	"	2	"
4		N by E.	"	6		30.02	72	74	73		"	"	2	"
5		N E by E.	S S E.	5		30.02	71	74	72		"	"	4	"
6		S S E.	"	5		30.02	71	72	71		"	"	6	"
7		"	"	4		30.05	72	72	71		"	"	5	"
8		S by E.	"	3		30.08	72	72	71		"	"	6	"
9		S	"	4		30.08	72	72	71		"	"	8	"
10		S S E.	S E.	2		30.08	72	72	71		"	"	8	"
11		"	"	1		30.08	72	72	71		0	"	0	"
Mid.		S E.	"	1		30.05	71	71	70		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. Scott Schley, U. S. Navy,

Sunday August 29th, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with A.M. Clear first part. Cloudy latter part. Employed Sewing to ebb at 12.00

Signed Lieut. G. Lemly
Ensign

From 4 to 8 A.M. Overcast Moisty. Damp Light airs from W and calms At 7.30 Dep. Ship mails signals 2330. Survey to flood at 7.00

Signed J. H. Gaggwell
Lieut

From 8 A.M. to Noon Cloudy Moisty Light airs from W & W.N.W. Calm last hour Flood tide Struck water at 11. At 9.40 had observations inspection At 10. Comdg. Officer inspected Ship and crew at quarters Afterwards read Prayers. Sent liberty. Early on part

Signed G. P. T. Moore
Ensign

From Noon to 4 P.M. Cloudy Overcast Hazy. Sea breeze set in at 2.40 Monday fresh breeze Surveying to flood at 2 and to ebb at 4.00

Signed J. H. Gaggwell
Lieut

From 4 to 8 P.M. Cloudy Moisty Damp Stiff to gentle breeze from S.S.W. Surveying to flood at 5.30 At 6.00 Dep. Ship mails general signals 2955. Observed

Signed G. P. T. Moore
Ensign

From 8 P.M. to Midt. Overcast Misty. Damp Light airs to light breeze from W.S.W. Flood tide

Signed J. H. Gaggwell
Lieut

Moons phase 1st qr. Dec. N 20°

Examined and found to be correct.

Signed Chas. Walker
Navigator.

LOG of the UNITED STATES Steamer Osceola, 3 Rate, 6 Guns,

Rio de Janeiro Brazil S.A.

Hour	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
A. M.																
1			NbW	NbW	0-1		30.06	72	73	72		cm.	Cirro Nimb	0	Ø	
2			N	NbW	1		30.06	72	73	72		cm	"	0	"	
3			NbW	N	2		30.02	72	72	71		"	"	0	"	
4			"	"	1		30.00	72	71	71		0	"	0	"	
5			NbW	"	0-1		30.00	72	71	71		cm.	"	0	"	
6			NbW	NbW	0-1		30.00	72	71	71		"	"	0	"	
7			"	"	1		30.02	72	71	71		"	"	0	"	
8			South	"	1		30.02	72	71	71		"	"	0	"	
9			SbW	Calm	0		30.02	72	72	71		"	"	0	"	
10			SbE	NbW	0-1		30.00	71	73	72		"	"	0	"	
11			"	Calm	0		30.00	71	73	72		"	"	0	"	
Noon.			"	"	0		30.00	71	70	72		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 150 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 3000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			SbW	SbW	1-2		30.05	72	74	72		cm.	Cirro Nimb	0	Ø	
2			SbW	"	2-3		30.08	72	74	72		"	"	0	"	
3			WbS	"	3		30.05	72	72	71		"	"	0	"	
4			SbW	"	3		30.05	71	73	71		"	"	0	"	
5			WbS	WbS	3-5		30.05	71	71	70		"	"	0	"	
6			SbW	SbW	5-7		30.09	71	71	70		cmy.	"	0	"	
7			SbW	SbW	3		30.11	71	71	69		"	"	0	"	
8			WbS	"	0-1		30.11	71	70	69		cm.	"	0	"	
9			S	"	1-2		30.14	71	70	70		"	"	0	"	
10			SbW	WbS	1-2		30.14	70	71	70		"	"	0	"	
11			SbW	"	1-2		30.16	70	71	70		"	"	0	"	
Mid.			"	"	1-2		30.16	68	70	70		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. Scott Schley, U. S. Navy,

Monday August 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced with mtle 4 A.M. Overcast Moisty Occasional light showery squalls. Light airs & light breeze from N.W. to N. E. & E. Barometer falling.

Signed Lieut. R. T. Moore.
Ensign

From 4 to 8 A.M. Overcast Moisty Light airs from N. N.E. & E. At 7.30 Flag Ship made general signal 205. Answered.

Signed C. H. Curtis
Lieutenant

From 8 A.M. to Meridn. Overcast Moisty. Hazy & Calm, occasl light airs from N. N.E. & E. At 9.0 exercised at general quarters. Time of working boats as follows. Entd. Div. 8m 2s. Cal. 2m 5s. Surgeons 1m 0s. Cdr. 2m 10s. 2nd Lieut. 2m 40s. 3rd Lieut. 2m 0s. 1st Lieut. 2m 0s. Secured in 2m 40s. Transferred Sergt. Denis Eschman No. 6, Frank Smith (2) and Jas. Smith, Ord. Sea. (2) with their accounts and descriptive lists to Flag Ship "Juniata" for transportation home. At work on foot warning.

Signed J. H. Copperthite
Lieutenant

From Meridn. to 4 P.M. Weather cloudy but pleasant. Variable light airs to calms from S. E. Barometer steady. Sea smooth. Turning to ebb at 1.30 P.M. At 2.0 Flag Ship made general signal 205. Answered.

Signed C. H. Curtis
Lieut.

From 4 to 8 P.M. Overcast Moisty. Light airs to very fresh breeze from S. S.E. & S. E. Turning to ebb at 8.30. Squally.

Signed J. H. Copperthite
Lieut.

From 8 P.M. to Midn. Cloudy but pleasant. Variable light airs from S. E. to E. N. E. Barometer rising. Sea smooth. Flood tide.

Signed C. H. Curtis
Lieut.

Moored ship head East & W. Hed N. 15 A.

Examined and found to be correct.

Signed A. A. Walker
Navigator.

LOG of the UNITED STATES Steamer Eolus, 3 Rate, 6 Guns,

Rio de Janeiro Brazil S.S.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Breast of the mill the vessel is under at end of watch.
A. M.																
1			SE by S	SE. NE.	2		30.16	70	69	68		O.M.	Cum Strat	0	S	
2			NE. NE. SE	"	2		30.16	70	69	68		"	"	0	"	
3			NE by SE	NE. E.	2		30.16	70	69	68		"	"	0	"	
4			NE	SE	1		30.16	70	69	68		O.M.	"	0	"	
5			"	NE. E.	1		30.15	70	69	68		"	"	0	"	
6			NE. NE. SE	"	1		30.15	70	69	68		O.M.	"	0	"	
7			"	"	2		30.13	69	69	68		"	"	0	"	
8			SE. SE by S	"	2		30.14	69	68	68		"	"	0	"	
9			SE E. by S	"	1-2		30.19	69	68	67		"	"	0	"	
10			E. E.	"	2		30.22	67	68	67		"	"	0	"	
11			E. E. by E	"	2-3		30.22	67	68	67		"	"	0	"	
Noon.			E. E. E.	"	2-3		30.22	67	68	67		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1700 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			E. E. E.	NE. NE. E.	2		30.20	67	68	67		O.C.	"	0	Ø	
2			NE by E	"	2		30.18	67	68	67		O.M.	"	0		
3			NE. E.	NE. E.	2		30.17	67	68	67		"	"	0		
4			NE. NE. E.	"	2-3		30.18	67	68	67		"	"	0		
5			NE. by E	"	2-3		30.18	67	68	67		"	"	0		
6			NE. E.	"	2-3		30.18	67	68	67		"	"	0		
7			E. NE. E.	"	2-3		30.18	67	67	67		"	"	0		
8			NE. NE. E.	"	2-3		30.20	67	66	66		"	"	0		
9			NE. E.	"	2		30.24	67	66	66		"	"	0		
10			E. E.	E.	2		30.25	67	66	66		OC	"	0		
11			E. by E	"	2-4		30.25	67	67	66		"	"	0		
Mid.			"	"	2-4		30.25	67	67	66		"	"	0		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander Wm Scott Schley, U. S. Navy,

Tuesday, August 24th, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Misty. Raining during latter part of watch. Light breze from N.W. to W. Sounding to ebb at 1.

Sigmd J. P. Coyendall
Lieut

From 4 to 8 A.M. Overcast. Misty. Passing showers first hour. Light N.W. breze. Occ. Sun clouds. Ug. L. L. Guard got underway and stood out to Sea. At 7.20 Flag Ship made general signal 335.

Sigmd D. P. Jouett
Master.

From 8 A.M. to Meridn. Weather cloudy and threatening. Passing showers first hours. Variable light to gentle from N.W. Barometer rising. Sea smooth. Port tide at 9.15 inspected at quarters. Exercised 1st Div at great guns. By order of Comdr. E. K. Dr. Forest (Ex) was relieved in charge of the report to Officer Dept. Lieut. W. Kirby, U.S.N. was given an extra watch for neglect of duty.

Sigmd C. H. Curtis
Lieut

From Meridn to 4 P.M. Overcast. Misty. Cool. Light variable breze from N. and N.W. and clouds. At 2 p.m. went to sea. A board of survey composed of Lieuts Block, Wood and Kay met on board and surveyed the following articles, viz: 1 pr binocular glasses and 1 mess. Yeoman. Chief Engr. C. H. Pierce was restored to duty by order of Comdr.

Sigmd D. P. Jouett
Master

From 4 to 8 P.M. Weather overcast and disagreeable. Variable light to gentle from N. to E. Bar. rising. Sea smooth. Ebb tide.

Sigmd C. H. Curtis
Lieut

From 8 P.M. to Midn. Overcast. Occasional light Squalls to moderate. Misty. Wind blowing in puffs. At 10. Sounding to flood.

Sigmd D. P. Jouett
Master

Moon's phase last qr. Nov 26 9h.

Examined and found to be correct.

Sigmd Ad Walker
Navigator.

LOG of the UNITED STATES Steamer Swift, 5 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			S by E	E	3-4		30.25	67	67	66		od	Cum Nimb	0	S	
2			E	"	3-4		30.25	67	65	65		Do.	"	0	"	
3			E by S	"	3		30.24	66	64	64		"	"	0	"	
4			"	"	3		30.20	66	65	65		"	"	0	"	
5			E by S	E	3		30.20	66	65	65		"	"	0	"	
6			E by S	E E by S	3		30.20	66	64	64		"	"	0	"	
7			E by S	"	3		30.20	66	64	64		"	"	0	"	
8			E E by S	"	3		30.25	66	64	64		"	"	0	"	
9			E	"	3		30.32	66	64	64		Do	"	0	"	
10			S	"	0-1		30.32	65	65	65		"	"	0	"	
11			"	"	0-1		30.35	65	65	65		"	"	0	"	
Noon.			S S E	"	1		30.36	66	65	66		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1700	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			S by E	S E	3-4		30.25	65	65	66		Do by	"	1	S	
2			E by S	E E by S	3		30.28	67	68	67		Do	"	2		
3			E by S	S E	3		30.28	67	68	67		"	"	3		
4			E E by S	"	3-4		30.28	66	69	68		"	"	2		
5			"	"	3-4		30.28	67	68	67		"	"	4		
6			"	"	3-4		30.24	67	66	65		"	"	3		
7			E by S	E S E	1-2		30.28	67	66	66		"	"	3		
8			E E by S	E by S	0-1		30.28	67	66	66		"	"	8		
9			E by S	E	1		30.40	67	66	66		"	"	6		
10			E S E	E E by S	3		30.40	67	65	65		"	"	7		
11			S S E	"	3		30.40	65	65	65		Do	"	5		
Mid.			"	"	3		30.40	64	65	66		Do.	"	7		

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander Dr Scott Schley, U. S. Navy,

Hadnocday August 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unfits A.M. Overcast. Rainy. Hauls light to gentle from Dr Bar falling Lead smooth. Evening to ebb at 2.30

Signed C. Dr. Curtis
Lieut

From 4 to 8 A.M. Overcast with frequent showery Evening showers Gentle breze to light airs from Dr and Dr Dr Ebb Tide At 7.30 Flag Ship made guard signal 8.30 Proceeds in Construction Kept 15 lbs shotted gun

Signed Saml C Lemly
Ensign

From 8 A.M. to Noon Overcast Rainy. Light airs from Dr Dr Dr Evening to flood at 9.30 Large French mail Steamer came in and anchored

Signed L. P. Jewell
Master

From Noon to 4 P.M. Cloudy Squally and rainy first hour Observed remainder of watch Light to stiff breze from S. Dr and Dr Dr Dr English Steamer C. S. M. 6 came in and anchored At 1.15 called all hands to muster and read Proceedings and Sentence of Summary Court Martial in case of Herman Mayer Qr D Sentenced to solitary confinement double irons on bread and water for 30 days Just ration every 4th day. and extra police duty for six months. Sentence was mitigated by Commdg Officer to solitary confinement double irons full ration for 15 days and extra duty for 3 months. Sentence as mitigated was approved by Comdr in Chief to be carried into execution from this date At 2. Flag Ship steers Tel sig 9279. 0103. 4204. 6549 4678. 9409 9279 2215. 9. 6703. 1153. 9409 669. 620. 670. 6015. 2215. 9. 6703. 1153. 0935. 1262 4090. Answered Tide turned ebb at 3.

Signed Saml C. Lemly
Ensign

From 4 to 8 P.M. Cloudy. Threatening. Light to moderate winds from S.W. Showery in squalls falling very light to dark and of water. Obs Hoist. Long swell from southward. Ship sailing steers Rolling to ebb.

Signed L. P. Jewell
Master

From 8 P.M. to Noon Clear Ends Passing showers Thirty hour Long swell from S.E. Light airs to gentle breze from Dr Dr Dr Evening to flood at 8.40.

Signed Dr H. Allen
Mate & Pilot

Moons phase 1st qr 4h 40m 7h 2m.

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Fulton", 2 Rate, 46 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			S. W.	S. W.	1-2		30.40	64	65	65		Dog.	Cum. Strat.	0	S.	
2			W.	"	1		30.38	64	65	65		Fog	"	2		
3			W. by N.	"	1		30.35	64	65	65		Fo.	"	3		
4			"	"	1		30.34	64	64	64		Or	"	3		
5			"	"	1		30.34	65	63	63		"	"	0		
6			"	"	1		30.35	65	62	62		0	"	0		
7			"	"	1		30.36	65	62	62		Fo	Cir. Cum. Strat.	2		
8			"	Calm	0		30.38	64	65	65		"	"	4		
9			W.	W. W. W.	1		30.40	63	66	66		"	"	5		
10			W. by S.	"	0-1		30.40	63	66	66		"	"	4		
11			S. by W.	"	1		30.40	63	67	67		"	"	6		
Noon.			"	"	1		30.40	63	67	67		"	"	5		

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ☉ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ☉ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ☉ observed at — ° ′ ″

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 11400 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			South	S. S. E.	4		30.38	67	68	67		Fo	Cum.	9	S.	
2			"	"	1-2		30.32	67	69	68		"	"	4	"	
3			"	"	4		30.27	68	68	67		"	"	10	"	
4			S. by W.		5		30.27	67	68	67		"	"	1	"	
5			S. by W.	S.	3		30.24	67	68	67		"	"	2	"	
6			S. S. W.		3		30.24	67	68	67		"	"	5	"	
7			W.	S. E.	3		30.24	67	68	67		"	"	7	"	
8			E. S. E.	"	1		30.24	67	68	67		"	"	6	"	
9			W.	E.	1		30.24	67	68	67		"	"	9	"	
10			S. E.	W. W. E.	0-1		30.24	67	66	66		"	"	9	"	
11			"	"	0-1		30.24	67	66	66		"	"	9	"	
Mid.			S. by E.	"	0-1		30.24	67	66	64		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander H. Scott Schley, U. S. Navy,

Tuesday August 24th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 8 A.M. Overcast and rainy with occasional freshening clear intervals. Light winds from S.W. At 2.30 Steering to E.S.E.

Signed L. P. Jewett
Master.

From 8 to 12 M. Gen. Quarters Training first Loop Clearing up at last Half of Watch Cruising to E.S.E. At 7.30 Prayers Ship made general sig. 230. Aus

Signed C. C. P. Moore.
Ensign

From 8 to 12 M to 12 to 4 Cloudy. Clear. Light air from N.W. to W. At 9 A.M. inspected at quarters. Received 14 Lbs Ice at 9 A.M. Ice at 12 M. Marines Guard at setting up Exercises to Flood at 11 A.M. Employed Cleaning Ship and Painting Ship. Sent to sea Lieut C. C. P. Moore absent without leave.

Signed Lieut C. Cloudy.
Ensign

From 12 to 4 P.M. Clear first Hour Cloudy rest of watch Gen. Pleasant Light air Steering to Stbd. breeze latter part of watch from S.S.E. Relieved at 2 P.M. 12 to 4 Forenoon from confinement by order of Cloudy. Officer of the Guard Marines Inspected Signed at 5 P.M. Ship and Crew at 8 A.M. Prayers Ship made general Signal 295 Aus Read Title

Signed Lieut C. C. P. Moore.
Ensign

From 4 to 8 P.M. Cloudy. Pleasant Squally breeze to light air Ranging from S.E. to E. At 5.00 made Interrog Signal 6 1/2 8 Ship Ship answered 30 At sunset Set down Top gallant yards Ambient light 2115

Signed Lieut C. Cloudy
Ensign

From 8 to 12 M to 12 to 4 Clear Gen. Pleasant Light air from N.E. to E. Fresh Title

Signed C. C. P. Moore
Ensign

Hours Place 12 Lat 40 Long

Examined and found to be correct.

Signed Richard Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb's.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Hdths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			South	E. S. E	2		30.02	67	66	65		Oc	Cirro	7	S	
2			S. S. W.		2		30.30	67	66	65		"	"	5	"	
3			W. W.	E. W. E.	2		30.37	67	67	66		"	"	6	"	
4			W. by S.		1		30.37	67	67	66		"	"	7	"	
5			North	N. E.	1-2		30.25	67	67	66		"	"	11	"	
6			"	"	1-2		30.30	66	65	66		"	"	7	"	
7			"	"	1		30.30	66	65	65		"	"	7	"	
8			W. by N.		C-1		30.30	66	66	65		"	"	8	"	
9			W. by S.		C-1		30.32	67	67	66		"	"	9	"	
10			W. by N.	N. W. E.	C-1		30.32	67	69	67		"	"	9	"	
11			S. W.	N. W.	1		30.28	67	69	69		"	"	9	"	
Noon.			South	Calm	1		30.28	68	69	69		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300 gallons.		
Water during the preceding 24 hours	1750 "		
Water remaining on hand fit for use at Noon	2850 "		
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.																
1			South	South	1-2		30.25	68	70	69		Oc	Cir Cum	7	S	
2			"	"	1		30.28	68	70	69		"	"	6	"	
3			"	"	1		30.30	68	70	69		"	"	6	"	
4			"	"	1		30.29	68	70	69		"	"	6	"	
5			S. W.	"	1		30.20	68	70	68		"	"	6	"	
6			W. by N.	W. by N.	2		30.20	68	69	68		Oc.	"	5	"	
7			W. N.		1		30.20	68	69	68		"	"	6	"	
8			"	S. S. W.	0-1		30.20	68	69	69		"	"	5	"	
9			S. S. W.	"	0-1		30.24	68	69	69		"	"	2	"	
10			S.	"	0-1		30.24	69	69	67		"	"	4	"	
11			S. by E.	"	0-1		30.24	69	68	67		"	"	4	"	
Mid.			S. S. E.	"	0-1		30.29	68	68	67		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. Scott Schley, U. S. Navy,

Friday August 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unites at 4 A.M. Cloudy first two hours Clear last two Light breezes to light airs from E. S. E. and E. by S. Employed as well from 8 to 12 Sunday to ebb at 2.30

Signed Saml C. Lawley
Ensign

From 4 to 8 A.M. Weather clear and pleasant Light breeze to light airs from N. E. Bar. rising Employed as well Ebb tide At 7.30 Flag Ship made general signal 385. And at 7.50 made interrog sig 6544 Flag Ship answered 97 Answered and crossed Royal gallant yards

Signed J. H. Cogswell
Lieutenant

From 8 A.M. to Meridl Clear and Pleasant Light airs from N. E to N. W. Calm last hour At 8.20 made interrog signals 5455. Flag Ship answered 97 Loosed sails At 9.15 exercised at fire quarters Third of cooking stoves do followed. 1st Div 5 min Eng Div 8 min 2nd Div 2.5 min Secured in 30 sec. American mail steamer City of Para came in Sunday to Flood at 11.15

Signed C. B. T. Moore
Ensign

From Meridl to 4 P.M. Cool and Pleasant weather Moderate sea breeze which set in at one o'clock Made interrog signals 5216 to Hartford who answered 97 At 1. parted sails. At 2 Hartford made general signals 6222 Cockpit & Store Lt. Gerald & Cooper left the ship on third days leave of absence. Considerable swell setting into Harbor Ship rolling about 5° each way. Flood tide running at the rate of two knots

Signed J. H. Cogswell
Lieutenant

From 4 to 8 P.M. Cloudy Pleasant Light to moderate breeze from N. by W. first part Light and airs from S. S. E. latter part Sunday to flood at 7.30.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Midl Partially cloudy Pleasant Light airs from S. S. E. Bar. rising Considerable swell setting into Harbor Flood tide

Signed J. H. Cogswell
Lieutenant

Moore Pleasant at 4 P.M. Dec. 8. 10°

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Gold", 2 Rate, 4 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			South	Calm	1		30.35	68	68	67		bc	Cir Cum	9	S	
2					0		30.32	68	68	67		"	"	9	"	
3			S E	N E	0-1		30.30	68	67	66		"	"	9	"	
4			N N W	N	1		30.20	66	67	66		"	"	9	"	
5			"	"	1		30.18	66	66	66		bcf	Cum Nims	8	"	
6			"	"	1		30.19	66	65	68		"	"	7	"	
7			"	Calm	0		30.30	66	64	65		"	"	7	"	
8			N by W	"	0		30.34	67	66	66		"	"	6	"	
9			W by S	"	0		30.27	67	67	67		bcm	"	6	"	
10			S W	"	0		30.20	67	67	66		"	"	8	"	
11			S S W	N	0-1		30.20	67	68	67		"	"	6	"	
Noon.			S by W	"	1		30.20	67	69	68		"	"	4	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	21650	"	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.																
1			S by E	S E	2		30.28	69	70	69		bc	Cir Cum	5	S	
2				"	3		30.27	69	70	69		"	"	6	"	
3			South	"	3		30.26	69	70	69		"	"	6	"	
4				"	3		30.26	69	70	69		"	"	5	"	
5			N by W	South	3		30.26	69	70	69		"	"	5	"	
6			N N W	"	3		30.28	69	70	69		"	"	5	"	
7			"	"	2-3		30.30	69	68	68		"	"	4	"	
8			W N W	"	2-3		30.30	69	68	68		"	"	4	"	
9			S by W	"	2-3		30.31	70	68	68		"	"	4	"	
10			South	"	2		30.28	70	68	68		c	"	0	"	
11			S S W	Calm	0		30.28	70	68	68		bc	"	8	"	
Mid.			W	"	0		30.28	69	68	68		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. Scott Schley, U. S. Navy,

Saturday, August 31 75, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and puts it M. Clear Cool Calm first part Light airs latter part from N. E. to N. Long swell Ship rolling easily Sunny to Obt at 8.00.

Signed C. B. D. Moore
Ensign

From 4 to 8 M. Clear Foggy. Cum Strato clouds Light airs from N.E. first part Calm remainder of watch At 7.30 Ship hauls general ensign at 8.00.

Signed L. P. Jouett
Master

From 8 P.M. to Meridian Weather Partially cloudy and misty Calm first half Light airs from N.E. last half of watch. Bar. rising Long swell from S.E. and E. Fired Tide mark Gig's party on shore

Signed J. K. Cogswell
Lieut

From M. end to 4 P.M. Clear Pleasant Gentle sea breeze from S.E. Cir. Cum clouds Sunny to flood at 12.30 Two English Steamers Royal mail pilot L. & S. came in and anchored Received on board 10 gals boiled bbl 5 gals of lbs turpentine and 1 gal Japan dryer and 10 lbs cut nails

Signed L. P. Jouett
Master

From 4 P.M. to M. Partially cloudy Misty Gentle breeze from S. Bar rising Long swell setting into harbor

Signed J. K. Cogswell
Lieutenant

From 8 P.M. to Mid. Clear Damp Light S. E. airs first part Calm remainder of watch. Cir. Cum clouds At 5.30 Sunny to flood

Signed L. P. Jouett
Master

Mean of Noon 1st gr. Var. E. 17°

Examined and found to be correct.

Signed Asst. Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
A. M.																
1			South	Calm	0		30.33	68	68	68		bcm.	Cum	9	S	
2			S. S. W.	"	0		30.32	67	68	67		"	"	9	"	
3			"	"	0		30.31	66	67	67		"	"	9	"	
4			S by W.	"	0		30.31	66	67	67		"	"	9	"	
5			W by S	W by N.	1		30.31	66	67	67		bc	"	9	"	
6			W by S.	W by N.	1		30.31	66	66	66		"	"	7	"	
7			W by N.		1		30.33	67	66	66		"	"	8	"	
8				W by S	1		30.33	67	66	66		"	"	6	"	
9			W. S.	"	0-1		30.33	67	66	67		"	"	5	"	
10			S. W.	"	0-1		30.33	67	67	68		"	"	6	"	
11			S. S. W.	Calm	0		30.31	67	68	65		"	"	7	"	
Noon.			South	S. E.	1		30.30	67	69	69		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 7000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
P. M.																
1			S by E.	S. E.	4		30.28	71	78	71		bc	Cum	8	S	
2			S. E.	"	6		30.26	71	78	71		"	"	8	"	
3			S by E.	"	6		30.28	71	78	71		"	"	8	"	
4			"	"	6		30.28	71	78	70		"	"	9	"	
5			S. E.	"	4		30.28	71	78	70		"	"	8	"	
6			N. E.	"	8		30.28	71	78	71		"	"	8	"	
7			N by W.	"	1		30.28	71	72	70		"	"	8	"	
8			N.	Calm	0		30.28	71	71	70		"	"	9	"	
9			S. S. E.	E. N. E.	1		30.26	70	70	69		"	"	9	"	
10			S.	E.	1		30.26	70	70	69		"	"	9	"	
11			S by W.		2		30.26	70	70	69		"	"	9	"	
Mid.			S. W.	N. W.	1		30.26	70	70	69		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Sunday, September 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Mostly overcast Horizon Calm Bar. falling slowly Long swell setting into harbor. Ship rolling easily. Flood tide.

Signed J. K. Cogswell
Lieut.

From 4 to 8 A.M. Clear. Cool. Pleasant. Light airs varying from N.N.E. to N.N.W. At 5 Surgeon to visit at 4 P.M. At 7.30 Flag Ship made general signal 3388 Examined Steamer C. S. N.G. came in from Sea

Signed Samuel C. Lemly
Ensign

From 8 A.M. to Meridian. Clear Warm Light N'ly airs and calms Cir. Cum clouds. At 9.40 inspected divisions. At 10, Commander inspected Ship and crew at quarters. Read articles for government of the Navy. Mustered crew. Lieut. C. E. V. Curtis, James Byron C.P.O. and James Duncan (Ord.) absent without leave. At 10.15 Surgeon to visit Sent liberty party on shore.

Signed L. C. Jewett
Master

From Meridian to 4 P.M. Clear. Pleasant. Moderate to fresh breeze from S.E. Flood tide. Sent a fishing party to Hartford.

Signed Samuel C. Lemly
Ensign

From 4 to 8 P.M. Calm. Moderate sea breeze from S.E. falling light and drifting out towards mid of watch. Cir. Cum clouds. At 5.30 Surgeon to visit

Signed L. C. Jewett
Master

From 8 P.M. to Midn. Clear. Pleasant. Light breeze from E. and N.E. Surgeon to visit at 9.15

Signed Samuel C. Lemly
Ensign

Moon rises at 9h. 1m. A.M. Decl. N. 22°

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 2 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			North	Calm	0		30.27	70	68	69		b.cm.	Cir. Cum.	8	8	
2			N. by E.	"	0		30.27	69	69	68		"	"	9	"	
3			E.	"	0		30.27	68	69	68		"	"	8	"	
4			"	"	0		30.27	68	69	68		"	"	8	"	
5			E.	North	1		30.24	67	68	68		"	"	9	"	
6			N.	Calm	0		30.24	67	68	67		"	"	6	"	
7			"	"	0		30.24	68	67	67		"	"	6		
8			"	"	0		30.25	69	68	67		"	"	6		
9			N. by E.	"	0		30.25	69	69	68		"	"	8		
10			E. by E.	N. N. E.	1		30.25	69	69	69		"	"	9		
11			E. by E.	N. N. E.	0 1		30.28	70	70	69		"	"	9		
Noon.			E. by S.	Calm	0		30.18	70	71	70		"	"	9		

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° — ′ — ″

Longitude by D. R. at Noon — ° — ′ — ″

Latitude by Observations at Noon ⊙ — ° — ′ — ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° — ′ — ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° — ′ — ″

Variation of the Compass by Azimuth ⊙ observed at — ° — ′ — ″

Water expended during the preceding 24 hours — 200 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			South	S. S. E.	3		30.15	70	73	71		b.cm.	Str.	9	8	
2			E. by S.	"	4		30.19	72	74	72		"	"	9	"	
3			South	South	3		30.10	73	75	73		"	"	8	"	
4			S. by E.	S. by E.	3		30.09	74	76	73		"	"	8	"	
5			S. S. E.	"	3		30.05	74	76	74		"	"	7	"	
6			S. by E.	"	1		30.08	73	75	73		"	"	6	"	
7			N.	Calm	0		30.08	73	74	73		"	"	7	"	
8			N. by E.	"	0		30.08	74	74	73		"	"	5	"	
9			N. N. E.	"	0		30.08	74	73	72		"	"	2	"	
10			E. by E.	E.	2		30.08	73	72	71		"	"	1	"	
11			E. S. E.	East	2		30.08	73	72	71		"	"	4	"	
Mid.			E. by S.	N. E.	2		30.08	73	72	71		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° — ′ — ″

Longitude by Chronometer from Observations * — ° — ′ — ″

Variation of the Compass by Amplitude observed at Sunset — ° — ′ — ″

Variation of the Compass by at — ° — ′ — ″

under the command of Commander W. Scott Schley, U. S. Navy,

Monday September 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with A.M. Clear Moisty Calm Cirrus clouds At 2.10 commy to flood
Signed W. P. Jewett
Master

From 4 to 8 A.M. Cloudy Moisty Pleasant Calm Received fresh provisions for crew At 7.30 Fleet Ship made general signal 550 Hove Coming to abt at 8 A.M. James Brown (C.P.O.) returned on board
Signed C. E. T. Moore
Ensign

From 8 A.M. to Meridl Clear Pleasant Calm and light airs from N.N.W. Coming to Moord at 9.20 At 9.15 exercised at quarters Cast loose Marine Guard 45 men Head Div 33 men Cutg Kpic 15 Cowder Kpic 1.05 Surgeons Kpic 2 men 2 Kpic 1 man 20 men 1st Division 2 men 45 Returned in 2 men 2 Div Am Argentine Steamer came in At 11.55 Fleet Ship made general signal 1057 Answered
Signed Samuel C. Lemly
Ensign

From Meridl to 4 P.M. Clear Pleasant Gentle to moderate breeze from S.S.E. to S. by W. Exercised at reefing and close to gallant and royal yards and T.G. Masts Lieut Comdr John Schley U.S.N returned from leave Fleet Tide
Signed C. E. T. Moore
Ensign

From 4 to 8 P.M. Cloud Hazy Gentle breeze to light airs from S. by W. first two hours Calm last two At 5.45 Fleet Ship made general signals 540 Hove Coming to abt at 6.45
Signed Saml C. Lemly
Ensign

From 8 P.M. to Midt Cloudy Pleasant Hazy Calm first four Light breeze remainder of watch Shifting from S.W. to W.S.W. and N.W. Fleet Tide
Signed C. E. T. Moore
Ensign

Moon's phase 1st qr Hd S 25m

Examined and found to be correct.

Signed Chas. Walker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Rodgers", 3 Rate, 6 Guns,

Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			S. by E. & S. by E.	E. N. E.	2		30.06	71	72	71		b.c.	Cir. Cum.	5	S.	
2			N. N. E.		1		30.05	71	71	70		"	"	7		
3			N. by E.	N. E.	0-1		30.03	71	71	70		"	"	6		
4			South	"	0-1		30.03	71	71	70		"	"	8		
5			S. E.	"	1		30.03	70	70	69		b.cm.	"	7		
6			E. N. E.	"	1		30.03	70	71	70		"	"	7		
7			N.	"	1		30.03	70	72	70		"	"	7		
8				"	1		30.03	71	73	70		"	"	7		
9			N. by E.	N. N. E.	1		30.04	71	74	71		"	"	2		
10			E. by S.		0-1		30.05	72	74	72		"	"	4		
11			South	Calm	0-1		30.03	73	74	73		"	"	4		
Noon.			"	E.	0-1		30.03	73	75	73		"	"	6		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	400 gallons.		
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	1600.		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			E. S. E.	South East	2		30.03	73	76	74		b.c.z.	Cir. Cum.	6	S.	
2			N. E.	"	2-3		30.00	73	76	74		"	"	6		
3			N. E. by E.	"	2-3		30.97	73	76	74		"	"	6		
4			South	"	2-3		29.97	73	77	73		"	"	6		
5			"	South	5		29.93	73	76	73		"	"	7		
6			"	S. E.	4-5		29.92	74	76	73		"	"	7		
7			"	"	4		29.92	74	76	73		"	"	7		
8			North	"	0-1		29.93	74	74	73		"	"	1		
9			"	N. E.	1		29.93	73	75	73		"	"	1		
10			E. by S.	Calm	0		29.93	73	75	73		"	"	1		
11			South	S. E.	1-0		29.91	73	74	73		"	"	1		
Mid.			"	"	1		29.84	73	74	73		"	"	1		

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. Scott Schley, U. S. Navy,

Tuesday September 2nd, 1895.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M. Clear Pleasant Hand. Light breeze to light airs from N.N.W. and N.W. Survey to ebb at 12 Hrs Survey to flood at 2.15

Signed Lieut. C. Lemly
Ensign

From 4 to 8 A.M. Clear Pleasant Misty. Variable light from N.W. Barometer steady Sea smooth. Survey to ebb at 6.30 At 7.25 Fleet Steamed general signals 5351 Answered
Signed J. K. Cogswell
Lieutenant

From 8 A.M. to Meridn. Cloudy Hazy Warm Calms and light variable airs At 9.15 inspected at quarters Exercised 1st and second division at great guns Sent Manned Launch at small arms. Fired Porter (6 K.) absent without leave At work on mud hook awning and T.G. sail. Survey to flood at 10.30
Signed C. B. T. Moore
Ensign

From Meridn to 4 P.M. Cloudy Hazy. Warm Variable light to gentle from S.E. Bar. falling Sea smooth Survey to flood at 3.40 until 7 to ebb at 1.30. Lieut. C. K. Curtis returned on board having been absent without leave 3 days.
Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy Hazy Pleasant Moderate to stiff breeze first three hours from S. to S.W. Calms last hour At 5. Hartford" made general signals 9.6. and geographical 10.9 close Mustered at quarters and turned in clear Hammocks Survey to ebb at 7.30
Signed C. B. T. Moore
Ensign

From 8 P.M. to Midn. Cloudy Pleasant Variable light from S.E. Calms Raining fresh at times Water Barometer falling Sea smooth Survey to flood at 9.15
Signed J. K. Cogswell
Lieut

Moores 4 hours 2nd qr Dec. S. 27°

Examined and found to be correct.

Signed Chas. Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E by N	Calm	0		29.82	78	73	72		b.c.g.	Cir Cum	2		
2			N E by E	"	0		29.82	78	78	72		"	"	4	"	
3			N	"	0		29.84	78	78	72		0	"	0	"	
4			N E	E	1		29.84	78	72	71		"	"	0	"	
5			N by E	Calm	0-1		29.84	71	72	71		"	"	0		
6			"	"	0-1		29.84	71	71	71		do	Cumb	0		
7			North	"	0-1		29.84	71	70	71		"	"	0		
8			"	"	0-1		29.84	71	70	71		"	"	0		
9			"	"	0-1		29.90	71	71	70		"	"	0		
10			N by E	North	0-1		29.90	71	72	70		"	"	0		
11			E	"	0-1		29.87	71	72	71		b.cum	"	6		
Noon.			E by E	"	0-1		29.87	71	73	72		"	"	4		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	400	gallons.	
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	1200.	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			NE by E	Calm	0		29.84	72	75	70		b.cm	Cir Cum	5		
2			South	South	3		29.81	72	74	70		"	"	6	"	
3			N E by E	"	4		29.79	72	74	70		"	"	3	"	
4			"	"	4		29.80	71	73	70		do	"	5	"	
5			E by E	"	4		29.80	70	73	72		"	"	5		
6			E	"	3-4		29.80	72	73	72		"	"	3		
7			E S E	"	3		29.82	72	72	71		"	"	7		
8			E	"	2-3		29.82	73	71	71		"	"	7		
9			E S E	"	0-1		29.84	71	71	71		"	"	6		
10			E	Calm	0		29.88	71	71	71		"	"	7		
11			South	"	0		29.92	71	71	71		"	"	8		
Mid.			"	"	0		29.92	71	71	71		"	"	9		

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. Scott Schley, U. S. Navy,

Wednesday September 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and writes A.M. Cloudy and hazy. Calm. First three hours Light airs and Clear from S.E. By order of Commander Herman Meyer (Ord. Sea.) was taken out of the brig and confined in the fore passage upon recommendation of Surgeon Lunny to abs at 2 P.M.

Signed G. W. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Rainy. Calm. At 7.30 Flag Ship made general signal 235. Also Rolling to abs.

Signed L. C. Jouett
Master

From 8 A.M. to Meridn. Cloudy and rainy first part. Overcast and misty remainder of watch. Strong Barometer falling. Sea smooth. Lunny to flood at 10 A.M.

Signed W. G. Hannum
Master's Mate

From Meridn to 4 P.M. Clear Misty. Moderate sea breeze from S.E. Tide turned ebb at 1.30. Received on board two boxes salt water soap. P. J. Duffy Ord. was rated Surgeon By order of Comdr. also the following Ords. were rated Ord. J. E. Pettit P. A. Engineer W.m Hayden E. E. Barclay. Lt. W. Allen. W. J. Linton. W. C. Montgomery and T. G. Roberts all from the 1st instant inclusive.

Signed L. C. Jouett
Master

From 4 to 8 P.M. Partially cloudy. Misty and damp. Winds moderate to light from S. Bar. rising. Sea smooth. Flood tide at 5.20. Flag Ship made signals 6.15 and at 5.45 generals signal 6.14. Also At sundown sent down Top gallant yards.

Signed W. G. Hannum
Master's Mate

From 8 P.M. to Midn. Clear Warm. Calm. Light airs from S.E. Lunny to ebb.

Signed L. C. Jouett
Master

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,
Rio de Janeiro Brazil South America

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky: in 10ths.	State of the Sea.	Record of the still the vessel is under at end of watch.
A. M.																
1			S. Br.	Calm	0		29.90	71	72	70		b.cm	Cum. Strat	3	S	
2			Br. by W	"	0		29.90	71	71	70		"	"	9	"	
3			W	"	0		29.89	71	71	70		cm	"	0	"	
4			"	"	0		29.89	71	70	70		cf	"	0	"	
5			W by S	E. W. S	1		29.89	71	70	70		f	"	0	"	
6			S. by S.	W S	0-1		29.89	71	70	70		"	"	0	"	
7			S W by S	"	1		29.94	70	70	69		"	"	0	"	
8			S. by W Br	North.	1		29.94	69	69	69		"	"	0	"	
9			North	N by E	1		29.94	70	69	69		b.cm	"	2	"	
10			"	"	0-1		29.94	70	69	69		"	"	2	"	
11			N N E	North	1		29.95	71	71	71		"	"	8	"	
Noon.			S. Br.	"	1		29.92	71	72	71		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time knots fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — 200 gallons.
Water during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 1000 "
Coal consumed during the preceding 24 hours — tons — lbs.
Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky: in 10ths.	State of the Sea.	Record of the still the vessel is under at end of watch.
P. M.																
1			S by Br	North	1		29.90	73	74	73		"	"	8	D.	
2			N by Br	Calm	0		29.87	75	76	74		"	"	6		
3			W	"	0		29.86	75	76	75		"	"	8		
4			"	S. W	1		29.86	75	77	76		"	"	8		
5			Br. S. Br	"	1		29.88	74	77	75		"	"	9		
6			S	"	1		29.88	73	74	73		"	"	7		
7			S. by W.	"	0-1		29.88	73	74	73		"	"	8		
8			S	Calm	0		29.88	73	74	73		"	"	6		
9			W by N	N. N. W	0-1		29.90	73	74	73		"	"	7		
10			N	"	1		29.92	73	75	74		"	"	4		
11			N. by W	"	1		29.92	73	75	74		"	"	3		
Mid.			N	Calm	0		29.92	73	75	74		"	"	4		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander H. Scott Schley, U. S. Navy,

Thursday September 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M. Cloudy. Misty. Foggy last hour. Hauls Calm. Bar falling. Sea smooth. Sunny to ebb at 2.15

Signed H. G. Saurman
Midshipman

From 4 to 8 A.M. Foggy. Dumb. Unexceptable. Light airs varying from E. N.E. to N. Sunny to flood at 4.30. Received fresh provisions for crew.

Signed Saml. C. Lemly
Ensign

From 8 A.M. to Meridn. Foggy first hour. Cloudy remainder of watch. Steam. Light airs from N.W. At 8.50 made general signals 6 to 9. Flag Ship answered 9 ct. At 9 crossed top gallant yards and loosed sails. At 9.30 inspected at quarters. Exercised Company B at single sticks. The Brazilian man of war "Notchoy" got underway and stood out to sea. At 12 sounding to flood.

Signed L. C. Jouett
Master

From Meridn to P.M. Sky clear. Misty. Calms and light airs from N.E. and S.E. Sunning to ebb at 1.45. At 1. Flag Ship made Grp. signals 526 Chas. At 2.00 she made Grp. signals 452 & at 2 general 526 Chas. and furled sails. Tug Boat Scottish Chief went to sea. Lieut. J. R. Bagwell left the ship having been detached by order of the Navy Dept with permission to proceed to the U.S.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear. Steam. Light S.E. Calm. Moist clouds. At 5.10 sunset to flood. At 5.15 Flag Ship made Grp. sig. 2958. At 5.40 Grp. 6148. At sunset 28 Guns sig 6148 Sent down top gallant yards. At 6.15 made interrog sig 677. Flag Ship answered 97. Shifted topsails.

Signed L. P. Jouett
Master

From 8 P.M. to Midn. Cloudy. Misty. Moonlight. Light airs from N.N.W. & calms. Sunning to ebb at 9.20.

Signed Saml. C. Lemly
Ensign

Moons phases 2nd qr. Dec. D. 26°

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Rio de Janeiro Barzil South America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			N by E ½ E	Calm	0		29.92	74	75	75		bcm	Cum Nimb	1	O	
2			"	"	0		29.92	74	75	75		cma	"	0	"	
3			North	"	0		29.92	74	75	74		"	"	0	"	
4			"	S. E.	1		29.92	74	74	73		"	"	0	"	
5			"	Calm	0		29.92	74	74	73		cr.	"	0	"	
6			"	"	0		29.92	74	75	75		"	"	0	"	
7			S. E. by E.	S. E.	3		29.94	73	74	73		cm.	"	0	"	
8			S. by E.	E. S. E.	3		29.98	74	75	74		"	"	0	"	
9			S. S. E.	S. by E.	4		30.05	74	75	73		"	"	0	"	
10			S. E. by S.	E. S. E.	5		30.07	74	76	73		"	"	0	"	
11			S. E. × E.	"	5		30.07	74	75	72		bcm	"	2	"	
Noon.			"	"	4-5		30.07	74	75	72		cm.	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	700 gallons.		
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	4100 "		
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.																
1			S. by E.	S. by E.	5-6		30.10	74	73	72		cm.	Cum Nimb	0	O	
2			"	"	4-5		30.11	75	72	72		"	"	1	"	
3			S. E. by E.	S. S. E.	4-5		30.12	72	72	71		"	"	0	"	
4			N by E	S.	3-4		30.14	72	72	71		"	"	0	"	
5			E. by N.	"	4-6		30.17	72	72	71		cfcm	"	0	"	
6			E. N. E.	S. S. E.	6		30.26	72	71	71		cm.	"	0	"	
7			S. S. E.	"	5		30.22	71	69	69		0	"	0	"	
8			S. by E.	S. E.	2		30.22	71	70	69		"	"	0	"	
9			S. S. E.	N.	2		30.22	71	70	69		"	"	0	"	
10				Calm	0		30.22	71	69	68		"	"	0	"	
11			S. by E.	S. S. E.	3		30.25	71	69	68		cmd.	"	0	"	
Mid.			"	"	3		30.25	71	69	68		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. Scott Schley, U. S. Navy,

Friday September 6th, 1895.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M. Overcast Very dampl Obscured moonlight Cum Nimbus clouds Calm first three hours Light S.E. winds last hour Friday to 8 A.M.

Signed D.P. Jewett
Master

From 4 to 8 A.M. Overcast and Misty Raining first two hours Calm rest of watch Gentle breeze from S.E. by S. and S.E. At 7.30 Play Ship made gun fire 3 3/7. Ans Evening to Flood At 8.30

Signed C.E.T. Moore
Ensign

From 8 A.M. to Meridn Overcast. Misty. Damp. Moderate to stiff breeze from S. by W. and S.S.W. Flood tide At 8.50 Play Ship signals Insp 3 3/7 and then Divided artillery Exercise At 9.20 made Insp 6 4/4 At 9.40 gun 6 4/4 Ans and crossed top gallant yards At 9.25 exercised at fire quarters American Steamer City of Para went to sea Dipped colors in passing. By order of Comdr Nicholas Lynch Act 2nd was confined in double irons to await trial by Summary Court Martial for insolence to C Officers on Sat ugo quick extra watched for loafing on the forecastle while on duty below. N Lynch Act 2nd to do extra duty for skylarking and defacing foot guard.

Signed Lieut C. Emily
Ensign

From Meridn to 4 P.M. Overcast. Misty and damp Gentle to fresh breeze from S.W. to S. Light & Frankling up rain latter part of watch. Sunny to 8 P.M.

Signed C.E.T. Moore
Ensign

From 4 to 8 P.M. Overcast. Misty Light passing showers first hour Stiff breeze from S. S. W and falling light and Shifting to W. Sunny to 8 P.M at 6.15

Signed Lieut C. Emily
Ensign

From 8 P.M. to Midn. Overcast and misty Raining last three hours of watch. Calm first hour Gentle breeze rest of watch from S.S.W. to W.S.W. Flood tide

Signed C.E.T. Moore
Ensign

Moons Phases 2nd Qr Dec 2 2.50

Examined and found to be correct.

Signed Asst Walker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Rio de Janeiro Brazils

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			S. by W.	S. S.W.	3		30.28	71	68	67		om	Cum. Nimb	6	A	
2			S. W.	"	2		30.28	71	67	67		"	"	0	"	
3			W. S.W.	S.W. by S.	3-4		30.39	73	66	66		"	"	0	"	
4			S.W.	"	4		30.39	70	66	66		"	"	0	"	
5			W. N.W.	"	3-4		30.29	69	67	66		om	"	0	"	
6			S.W.	"	3-4		30.30	68	67	66		"	"	1	"	
7			W. S.W.	South	3-4		30.33	68	66	65		"	"	0	"	
8			S.S.W.	"	3		30.36	68	65	64		"	"	0	"	
9			S. by E.	Calm	0		30.37	68	66	65		"	"	0	"	
10			"		0		30.38	68	65	65		"	"	0	"	
11			S.S.W.	W. N.W.	2		30.38	68	65	66		"	"	6	"	
Noon.			W.	W. S.W.	01		30.38	69	65	68		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water received during the preceding 24 hours	310	"	
Water remaining on hand fit for use at Noon	410	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			W. N.W.	S. W.	2		30.39	67	65	65		01	Cum Strat	0	A	
2			West	"	2		30.35	67	65	64		"	"	0	"	
3			W. by N.	"	2		30.35	67	64	64		"	"	6	"	
4			N.W. by W.	"	1-2		30.35	68	64	64		"	"	6	"	
5			N.W.	W. S.W.	2		30.37	66	64	64		"	"	6	"	
6			"	N.W.	2		30.37	66	64	64		"	"	0	"	
7			W. N.W.	N.W. by W.	1-2		30.37	67	64	64		"	"	0	"	
8			N.W. by W.	S.W.	3		30.40	67	64	64		"	"	0	"	
9			S. by E.	N.E.	2		30.42	68	63	63		"	"	0	"	
10			"	"	2		30.42	68	63	63		"	"	0	"	
11			S. by W.	"	2		30.41	68	63	63		"	"	0	"	
Mid.			W. S.W.	"	2		30.40	68	63	63		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander H. Scott Schley, U. S. Navy,

Saturday September 7th, 1895.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends M. Overcast Raining Light to moderate breeze from S.E. & N.E. and S.W. by S. During to 8h at 2.25

Signed Jno. G. Quinby Ensign

From 4 to 8 P.M. Cloudy. Raining Gentle to moderate breeze from S.W. and S.E. by E. Sea smooth During to 8h at 4.30 At sunrise Shore Batteries fired salute of 21 guns Brazilian and Turkish men of war in harbor full dressed ship Brazilian ensign at mizzen At 8 full dressed ship with Portuguese Brazilian ensign at mizzen At 9.30 Day Ship with gun 21 guns. Ans.

Signed C. H. Curtis Lieut

From 8 A.M. to Meridian Overcast Cool Weather Raining during Watch Calm first two hours Light breeze last two from S.W. & S.E. During to 8h at 11.

Signed C. B. Moore Ensign

From Meridian to 4 P.M. Cloudy Raining Variable light from S.W. Barometer falling Sea smooth. Ebb tide At 1. British & French and American Flag Ships fired 3 Shore Batteries also Shore fired salutes of 21 guns Received in Equipt. Kept 15 cans beef and 4 cans pork

Signed C. H. Curtis Lieut

From 4 to 8 P.M. Overcast Raining during watch Light variable breeze At sunset shore batteries fired 21 salutes Ebb tide

Signed C. B. Moore Ensign

From 8 P.M. to Mid. Cloudy. Raining Variable light from S.W. Barometer falling Sea smooth. Flood tide

Signed C. H. Curtis Lieut

Moons Phases 1st qr. Nov 2 19h

Examined and found to be correct.

Signed Asa Walker Navigator

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. N. E.	Calm	0		30.40	68	63	63		0	Cir. Cumu	0	O	
2			N. by E.	"	C		30.40	68	63	63		"	"	0	"	
3			"	"	0		30.38	68	63	63		"	"	0	"	
4			North	"	C		30.35	68	63	63		"	"	0	"	
5			E. by N.	West	0-1		30.35	68	64	64		Or	Cumb	C	"	
6			E. by N.	"	0-1		30.35	68	64	65		"	"	C	"	
7			E. by N.	Calm	0		30.38	67	64	65		0	"	0	"	
8			E. by N.	E.	1		30.39	66	64	66		Or	"	0	"	
9			South	Calm	0		30.41	66	65	66		Odf	"	1	"	
10			E. by N.	"	0		30.42	66	66	66		"	"	0	"	
11			E. by N.	E. by N.	0-1		30.41	66	66	66		"	"	0	"	
Noon.			E. by N.	"	0-1		30.41	66	66	66		"	"	1	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2000	"	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.																
1			N. N. E.	Calm	0		30.38	66	66	65		Con.	Cumb	0	O	
2			N. by E.	E.	0-1		30.30	66	66	65		Od.	"	0	"	
3			N. N. E.	"	0		30.33	66	67	67		Do.	"	1	"	
4			E. by N.	"	0		30.33	67	67	67		"	"	2	"	
5			N.	"	1		30.33	67	67	67		"	"	2	"	
6			E. by E.	"	1-2		30.33	67	67	67		Od	"	0	"	
7			E.	E.	1-2		30.33	67	67	66		0	"	0	"	
8			"	"	1-2		30.32	68	67	66		"	"	0	"	
9			E. by E.	"	2		30.28	68	67	66		"	"	0	"	
10			E. by E.	E. by E.	2		30.28	68	67	66		"	"	0	"	
11			E.	"	2		30.28	67	67	66		"	"	0	"	
Mid.			"	"	1-2		30.28	67	67	66		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. Scott Schley, U. S. Navy,

Sunday September 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast Raining during watch By order of Comdr W.S. Robinson stood the 1st watch During to 8th at 12.

Signed G.B.T. Moore
Ensign

From 4 to 8 A.M. Overcast. Raining during entire watch. Strips clouds Calms and light variable airs At 7. ending to flood At 7.20 Flag Ship made gun eng 955 o. Ans.

Signed L.P. Jarett
Master

From 8 A.M. to Meridn. Cloudy. Foggy. Drizzling rain during entire watch. Barometer moving slowly. Sea smooth. Flood tides At 9.20 inspected at quarters. Received on Aquid. 19 gals fresh water. Sent party of men on shore on liberty

Signed G.W. Carter
Lieut

From Meridn to 4 P.M. Overcast. Raining first two hours. Cloudy. Private during remainder of watch. Calm first part. Gentle sea breeze from S.E. latter part of watch. Hazy clouds. At 1.20 P.M. going to ebb. At 4 ending to flood.

Signed L.P. Jarett
Master

From 4 to 8 P.M. Cloudy. Drizzling rain first part. Strick light from S. and S.E. Barometer. Sea smooth. Flood tide. At 6.20 Flag Ship made guards ensign 2785. Ans.

Signed G.W. Carter
Lieut

From 8 P.M. to Midn. Overcast. Cool. Light E.N.E. winds. Hazy. Obscured moonlight. Ending to flood.

Signed L.P. Jarett
Master

Moons. Phase 2nd qr. Hour A. 15.

Examined and found to be correct.

Signed A.A. Walker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,
Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. E.	East	1-2		30.36	67	67	66		D	Cu Cumo Nimbs	0	A	
2			N	"	1-2		30.33	67	67	66		D	"	2	"	
3			"	"	1-2		30.32	67	67	66		"	"	1	"	
4			"	"	1-2		30.32	67	67	67		"	"	8	"	
5			N by W	Calm	0		30.32	67	67	66		"	"	8	"	
6			N W	E	0-1		30.32	67	67	66		"	"	6	"	
7			N N E	"	0-1		30.34	68	68	67		"	"	7	"	
8			E	E. S. E	0-1		30.34	68	71	70		"	"	6	"	
9			S E	Calm	0		30.32	68	71	70		"	"	10	"	
10			S S E	"	0		30.34	70	71	70		"	"	5	"	
11			S by E	S E	3		30.30	70	70	70		"	"	6	"	
Noon.			South	South	3		30.35	70	71	70		"	"	9	"	

Distance run by Log since preceding Noon ____ knots ____ fathoms.
Latitude by D. R. at Noon ° ' "
Longitude by D. R. at Noon ° ' "
Latitude by Observations at Noon ⊙ ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ ° ' "
Current during the time knots fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "
Variation of the Compass by Azimuth ⊙ observed at ° ' "
Water expended during the preceding 24 hours 300 gallons.
Water during the preceding 24 hours "
Water remaining on hand fit for use at Noon 1700 "
Coal consumed during the preceding 24 hours tons lbs.
Coal remaining on hand at Noon " "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S by E	S by E	4		30.32	70	71	70		D.	Cu Cumo Nimbs	7	A	
2			S W by S	S S E	5		30.28	70	71	70		"	"	6	"	
3			N E by E	"	4		30.27	70	71	70		"	"	2	"	
4			N N E	S E. to S S W	3		30.27	70	71	70		"	"	2	"	
5			East	S E	2-3		30.26	70	71	70		"	"	3	"	
6			S E	"	2		30.26	70	71	70		"	"	3	"	
7			S S E	"	2		30.26	71	71	70		"	"	2	"	
8			S E by S	"	0-1		30.27	71	71	70		"	"	2	"	
9			S S E	"	2		30.27	71	71	70		"	"	1	"	
10			S	"	1		30.25	71	71	70		"	"	1	"	
11			S by E	Calm	0		30.25	71	70	70		D	"	0	"	
Mid.				"	0		30.20	71	70	70		D	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "
Longitude by Chronometer from Observations * ° ' "
Variation of the Compass by Amplitude observed at Sunset ° ' "
Variation of the Compass by at ° ' "

under the command of Commander H. Scott Selfridge, U. S. Navy,

Monday September 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Cloudy but pleasant. Fresh breeze from S.W. Ship rolling heavily with the tide. Master clearing towards end of watch.

Signed C. H. Curtis
Lieut

From 4 to 8 A.M. Clear and pleasant. Calm and light airs from E and E.S.E. Ebb tide. At 6 clock water at 6.45 AM 7.20 Pleasure Ship moved general Seaward 3.30. At 7.50 she made fresh breeze and at 9.05 general Anchored. At 8 hoisted sails to a fore bowline. Received fresh provisions for crew.

Signed Saml. C. Lemly
Ensign

From 8 A.M. to Meridian Cloudy Threatening rain Moderate Calm first part. Latter part Gentle airs from E.S.E. shifting to E. latter part. At 9.15 exercised at general quarters. Seaman Boyce was appointed 1st Seaman from 2nd inst. August. Pulling to shore. By order of Commander H. H. Rogers (C.S.) was placed in double irons for sleeping on his watch. Artificers J.S. were released from confinement and restored to duty. The following men absent without leave. P. Fireman Edwd. F. Kelly. Coal Trimmer Edgar Owen Dan. James Flynn O.S. M. L. Mangan O.S. Henry Lockwood 2nd C. P. A. Cannon A.B.

Signed L. P. Jewett
Master

From Meridian to 4 P.M. Clear first two hours. Cloudy last two. Gentle to stiff breeze varying from E. to E.S.E. H. M. S. Volage got underway and stood out to sea. At 3.15 Pleasure Ship made fresh 4826 and then gen. 4826 Anchored sails. By order of Commander H. Henry R.M. was temporarily confined without irons for fighting.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy. Gentle and breeze from E.S.E. during first hours and light Variable Calm. Clear. Hoisted clewed up. At 5 pleasure Ship moved fresh 3.25 Anchored.

Signed L. P. Jewett
Master

From 8 P.M. to Midnight. Cloudy Pleasant Light breeze from E.S.E. first two hours Calm last two. Flood tide.

Signed Saml. C. Lemly
Ensign

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

Rio de Janeiro Brazil South America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			South	Calm	0		30.29	71	70	70		b.s.	Cir. Cirr.	5	S	
2			N N W	"	0		30.29	71	70	71		"	"	5	"	
3			N by W	E. N. E.	0-1		30.25	70	70	70		"	"	3	"	
4				"	0-1		30.21	69	70	69		"	"	4	"	
5			N. W	N. E.	1		30.21	69	70	69		"	Cir Cum Strat	7	"	
6				"	1		30.21	69	70	69		"	"	5	"	
7			W N W	N. N. E.	1		30.24	69	69	68		"	"	4	"	
8			N by E	"	1		30.24	69	69	68		"	"	3	"	
9			E. E. E.	"	0-1		30.27	70	70	69		"	"	6	"	
10			E by E	N. N. W.	0-1		30.28	70	72	71		"	Cir Cirr	8	"	
11			South	"	1		30.28	70	72	71		"	"	8	"	
Noon.				E. E. E.	2		30.28	70	73	72		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 50 gallons.

Water Head all during the preceding 24 hours — 1500 "

Water remaining on hand fit for use at Noon — 1953 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S by E	S by E	3		30.28	71	75	71		"	"	9	S	
2			S by E	"	4		30.28	72	78	72		"	"	9	"	
3			N W by W	South	4-5		30.26	72	78	72		"	"	5	"	
4			N	S. S. W.	4		30.20	72	73	72		"	"	4	"	
5			N N E	S E by E	4		30.17	72	75	74		"	"	6	"	
6			S W	S. S. E.	5		30.17	72	75	74		"	"	5	"	
7			S W by W	E. S. E.	2		30.17	73	73	73		"	"	7	"	
8			S by E	S. E.	1		30.17	73	73	72		"	"	8	"	
9			S. E.	East	2		30.15	73	73	71		"	"	5	"	
10				E N E	3		30.18	72	73	71		"	"	4	"	
11			South		2		30.18	72	73	71		"	"	7	"	
Mid.			S. S. E.	Calm	0		30.18	71	71	70		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Tuesday, September 4th, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unites 4 A.M. Partially clear. Cove. Calm and light airs from N.E. and E.S.E. Cir. Cum clouds. Bright moonlight. At 1.30 swung to ebb. By order of Comdr. W. B. Robinson (Ord.) dove middle watch for amusement.

Jeremiah L. D. Jewett
Master.

From 4 to 8 A.M. Cloudy. Pleasant. Light airs from N.E. & and N.N.E. & E. At 7.30 Flag & Ship made general signals 225. Answ. All well.

Jeremiah C. B. T. Moore
Ensign

From 8 A.M. to Meridt. Clear and pleasant. Light airs from N.N.E. & and N.N.E. & E. first part. Light breeze from E. S. E. & East later. Flood tide. At 8.55 Flag & Ship made prep 5 & 7. and then general signals 5 & 7. Answ. Loosed sails and crossed lower yards. At 9.30 inspected at quarters. Exercised at company drill at dress parade. Received 130 gals fresh water.

Jeremiah Chas. C. Lemly
Ensign

From Meridt to 4 P.M. Clear. first part of watch. Cloudy latter part. Gentle to stiff breeze from E by S & to E.S.E. Enlisted George Alexander as Cook for the cruise of the Vessel & Jones arrived from the 1st instant inclusive. By order of Comdr. Geo Alexander was rated 1st Class Steward from the 2nd instant inclusive. John L. Frey P.M. was released from confinement and returned to duty by order of Comdr. At 1 Flag & Ship made prep 4 & 6 and 1st gun 4 & 6. Furled sails. Swung to ebb at 2.45.

Jeremiah C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Pleasant. Moderate breeze to light airs varying from E.S.E. to S.E. by E. Steering to flood at 4.45. At 5.05 Flag & Ship made prep 6 & 8 and then general 6 & 8. Answ. and sent down light yards and T.G. Masts. Sent light sails. At 5.45. Flag & Ship made prep & sig. 2 & 5. Answered.

Jeremiah Jacob C. Lemly
Ensign

From 8 P.M. to Midt. Cloudy. Pleasant. Light to gentle from S. to S.S.W. & S. Calm last hour. Bright moonlight. Decks clean. Sea and sails. Robert Kelly C of T. returned from liberty. Flood tide.

Jeremiah C. B. T. Moore
Ensign

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. by W.	Calm	0		30.15	70	70	69		fair	Cir. Cum.	8	Smooth	
2			W. by S.	W.	1		30.13	70	70	69		fair	"	6	"	
3			W. by W.	"	3		30.13	70	70	69		"	"	7	"	
4			W. by W.	"	2		30.13	70	70	69		"	"	8	"	
5			"	"	2		30.15	70	69	69		"	"	8	"	
6			W.	"	2		30.17	69	69	69		"	"	8	"	
7			"	"	1-2		30.19	69	69	68		"	"	7	"	
8			W. by S.	"	1-2		30.18	69	70	68		"	"	6	"	
9			South	W. by W.	1		30.19	69	72	69		"	"	7	"	
10			"	"	1		30.20	70	73	70		"	"	8	"	
11			"	"	0-1		30.20	71	74	71		"	"	6	"	
Noon.			"	S. E.	1		30.18	72	74	72		"	"	6	"	

Distance run by Log since preceding Noon		knots	fathoms.
Latitude by D. R. at Noon		°	′ ″
Longitude by D. R. at Noon		°	′ ″
Latitude by Observations at Noon ⊙		°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙		°	′ ″
Current during the time	knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		°	′ ″
Variation of the Compass by Azimuth ⊙ observed at		°	′ ″
Water expended during the preceding 24 hours		450	gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		2500	"
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon		"	"

P. M.																
1			South	S. E.	2		30.15	72	74	72		fair	Cir. Cum.	6	Smooth	
2			S. by W.	South	2		30.12	73	75	73		"	"	6	"	
3			S.	"	2		30.10	73	76	74		"	"	4	"	
4			"	"	2		30.10	74	77	76		"	"	3	"	
5			S. by E.	S. E.	1		30.10	75	79	77		"	"	4	"	
6			S.	"	1		30.10	75	77	76		"	"	3	"	
7			S. by E.	Calm	0		30.10	75	76	75		"	"	6	"	
8			S. S. E.	"	0		30.10	74	75	74		"	"	3	"	
9			S. by E.	E.	0-1		30.10	74	76	74		"	"	3	"	
10			S. S. E.	"	0-1		30.10	74	74	73		"	"	2	"	
11			South	"	1-2		30.10	73	73	73		"	"	1	"	
Mid.			"	"	1-2		30.12	72	73	73		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙		°	′ ″
Longitude by Chronometer from Observations	*	°	′ ″
Variation of the Compass by Amplitude	observed at Sunset	°	′ ″
Variation of the Compass by	at	°	′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Wednesday, September 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M. Clear and variety Calm first hour light airs to gentle breeze remainder of watch Sewing to finish at 12M By order of Commdr W. C. Robinson Jr Clear ends watch on quarter deck

Signed Jas. C. Hanley
Ensign

From 4 to 8 A.M. Weather partially cloudy Pleasant Winds light from N.W. and W. Barometer rising. Sea smooth Sewing to finish at 12M At 7.30 Flag Ship made general signal 338 And

Signed C.V. Curtis
Lieut

From 8 to 12 M. Cloudy Pleasant. Misty. Light airs from N.W. to W. first 2 hours Sea breeze set in at 11.20 At 9 Flag Ship made prep. signals 5 4 6 and then Squadron annulling pennant. At 9.20 inspected at quarters Exercised 1st and 2nd Division at great guns and Marine Guard at small arms instruction. P.A. Paymaster A. T. Stancliff went on leave of absence for 8 days. Read Title

Signed C. B. T. Moore
Ensign

From Noon to 4 P.M. Partially cloudy Warm Pleasant Winds light from S.W. and South Barometer falling Sea smooth At 3.30 Flag Ship made general signals 295 And At 3.40 exercised at light yards. Henry Lawrence (2nd) returned from liberty

Signed C.V. Curtis
Lieut

From 4 to 8 P.M. Cloudy Pleasant. Light airs first two hours from S.W. Calm last two Sewing to finish at 8.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Partially cloudy Foggy and misty Light airs and light breeze from West. Barometer steady Sea smooth Read Title. P.A. Engineer A.S. returned from liberty

Signed C.V. Curtis
Lieut

Moon placed 3rd qr. Hour 1°

Examined and found to be correct.

Signed Asa. Walker
Navigator.

LOG of the UNITED STATES Steamer "Fulton" 3 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W. by W.	W. N. W.	1		30.08	71	73	72		Bc	Cir Cum	4	S	
2			W. N. W.	N. W.	0-1		30.08	71	73	72		"	"	5	"	
3			N. N. W.	Calm	0		30.06	71	72	71		"	"	6	"	
4			"	"	0		30.06	71	71	70		"	"	7	"	
5			"	"	0		30.06	71	70	72		Bcg	"	8	"	
6			N. W. by N.	North	0-1		30.08	71	70	72		Bcm	"	6	"	
7			N. N. W.	"	0-1		30.08	71	70	71		"	"	7	"	
8			"	"	1		30.10	71	71	70		"	"	7	"	
9			W. S. W.	"	1		30.10	71	72	71		"	"	6	"	
10			South	"	1		30.10	72	71	71		"	"	6	"	
11			"	"	1-2		30.10	73	75	73		"	"	6	"	
Noon.			"	"	1-2		30.05	74	76	71		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ☉ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ☉ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ☉ observed at — ° ′ ″

Water expended during the preceding 24 hours — 200 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1700 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			S. S. W.	N. E.	2		30.06	75	77	75		Bcg	Cir Cum	7	S	
2			S. by E.	"	3		30.08	75	78	75		"	"	7	"	
3			N. N. E.	"	3		30.08	76	79	75		"	"	7	"	
4			N. by E.	Calm	0		30.08	76	79	75		"	"	8	"	
5			N. N. W.	"	0		30.08	76	81	78		"	"	8	"	
6			N. W. by N.	"	0		30.08	76	79	78		"	"	8	"	
7			N. N. W.	"	0		30.08	76	78	76		"	"	8	"	
8			S. W.	"	0		30.08	75	77	76		"	"	8	"	
9			S. S. W.	"	0		30.00	75	77	75		"	"	8	"	
10			S. by W.	"	0		30.00	75	77	75		"	"	8	"	
11			South	"	0		30.00	74	76	75		"	"	8	"	
Mid.			"	"	0		30.00	74	76	75		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ′ ″

Longitude by Chronometer from Observations ☽ — ° ′ ″

Variation of the Compass by Amplitude — observed at Sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Thursday September 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Light airs from W. to N.W. first two hours Calm last two. Sunny to ebb at 2

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear Misty. Light airs Var. Calm cloudy. At 7.30 Flag & Ens. made Signals 225. Ans. Received on board fresh provisions for crew. Rolling to ebb. Large English Steamer S. & N. No. 6 came in.

Signed L. P. Jewett
Master

From 8 A.M. to Meridn. Partially cloudy Warm. Light breeze from N. Barometer falling & sea smooth. Sunny to flood at 9.0 At 8.45. Flag. Ship made prep. sig 546. and at 8.30 General Signals 546. Ans. General light yards and topsail sail. At 9.30 was inspected at quarters regular Company B at single sticks. Marine Guard at manuals. Fireman Meyer A.B. was released from confinement and restored to duty. Time of sentence having expired.

Signed C. V. Curtis
Lieut

From Meridn to 4 P.M. Clear Warm. Gentle N.E. breeze dying out towards end of watch. Cir. Cum clouds. Hazy At 1. Flag. Ship made General Signal 526. Ans. Parted sail Sunny to ebb at 2.30. At work repairing new topsails

Signed L. P. Jewett
Master

From 4 to 8 P.M. Hazy. Warm. Calm. Sky clear. Barometer steady Sea smooth Tide turned. Flood at 7.15 At 5. Flag Ship made Prep. sig 6070. Ans. Sent down royal yards. Michael Mangan A.B. returned from liberty.

Signed C. V. Curtis
Lieut

From 8 P.M. to Midn. Clear. Damp. Calm. Cir. Cum clouds. Bright moonlight. Rolling to flood.

Signed L. P. Jewett
Master

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer Fulton, 2 Rate, 6 Guns,
Rio de Janeiro Brazil SA

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. & W.	Calm	0		29.99	73	78	75		Dew	Ar Cus	10	Ø	
2			S. W. by W.	"	0		29.99	73	75	75		"	"	10	"	
3			N. N. W.	"	0		29.97	73	74	73		"	"	10	"	
4			"	"	0		29.97	73	73	72		"	"	10	"	
5			"	"	0		29.97	73	73	72		"	"	9	"	
6			N. W. by W.	N. N. W.	0-1		29.98	73	73	72		"	"	8	"	
7			"	"	0-1		30.00	73	72	72		"	"	8	"	
8			N. W.	"	1		30.00	74	74	72		"	"	9	"	
9			W. N. W.	"	1		30.00	74	74	72		"	"	9	"	
10			S. S. W.	N.	1		30.00	74	74	73		"	"	9	"	
11			S. by E.	"	1		30.00	75	76	74		"	"	9	"	
Noon.			S. S. E.	N. E.	1		29.98	76	76	75		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ′ ″
Longitude by D. R. at Noon — ° ′ ″
Latitude by Observations at Noon ⊙ — ° ′ ″
Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″
Current during the time — knots — fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″
Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″
Water expended during the preceding 24 hours — 400 gallons.
Water — during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — 1900 "
Coal consumed during the preceding 24 hours — tons — lbs.
Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			South	N. E.	2-1		29.95	77	79	77		h. m.	Horse	10	Ø	
2			S. by E.	"	2-1		29.95	78	81	77		Dew	"	10	"	
3			N. N. W.	N.	1		29.92	78	81	78		"	"	10	"	
4			"	"	0-1		29.92	78	81	78		"	"	10	"	
5			"	Calm	0-1		29.91	78	82	81		Dew	Cir Cus	9	"	
6			"	"	0		29.90	78	81	78		"	"	9	"	
7			"	"	0		29.90	78	81	78		"	"	9	"	
8			W. S. W.	"	0		29.90	78	78	77		"	"	9	"	
9			S. W. by W.	N. N. W.	1		29.96	78	78	77		"	"	9	"	
10			S. S. W.	N. W. by W.	1		30.00	78	78	77		"	"	9	"	
11			S. by E.	N. N. W.	1		30.00	77	77	76		"	"	9	"	
Mid.			"	"	0-1		30.00	77	77	76		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″
Longitude by Chronometer from Observations * — ° ′ ″
Variation of the Compass by Amplitude observed at Sunset — ° ′ ″
Variation of the Compass by at — ° ′ ″

under the command of Commander H. Scott Schley, U. S. Navy,

Friday September 2nd, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends Hazy. Pleasant Calm Sky clouded Moonlight Barometer falling slowly. Sea smooth. Tide turned ebb at 2.30

Signed C. H. Cubis
Lieut

From 4 to 8 P.M. Clear Sky. Mostly Calm and light airs from N.N.W. Ebb tide. At 7.30 Flag Ship made general sig. 331 Aux. Received fresh provisions for crew. Philip Kennedy (Ord.) returned on board.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Midnt. Clear Warm Light airs from N.W. Cur. Gun closed. At 9.15 exercised at fire quarters. At 10.30 running to Flood. Large Cuban Steamer P.S. No 6. went to sea. By order of Cond'g Officer Thomas Kelly (Ord.) was placed in confinement for smuggling liquor. Theodore Berchelson Lieut. C. Eng. relieved from duty for not keeping sheet anchor clear.

Signed L. P. Jouett
Master

From Midnt to 4 P.M. Clear and misty Warm Light airs to light breeze from N.E. and N. At 2.55 running to ebb. At 3.30 Flag Ship made general signal 298. Aux.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear Warm Calm At 5.10 made interrog. signal 677. Flag Ship 94. Shifted to 3 sails. Struck water at 8.

Signed L. P. Jouett
Master

From 8 P.M. to Midt. Clear Misty Calm Pleasant Moonlight Light airs from N.W. Running to flood at 8.30

Signed Saml. C. Lemly
Ensign

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,
Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			S. by E.	Calm	0		29.90	78	78	76		Hazy	Cir. Cumu.	9	S	
2			"	"	0		29.90	78	78	76		"	"	9	"	
3			S. by E.	"	0		29.90	77	77	76		"	"	9	"	
4			"	"	0		29.90	77	77	76		"	"	9	"	
5			"	S. by E.	1		29.88	75	75	73		"	"	5	"	
6			"	"	0-1		29.88	75	75	73		"	"	4	"	
7			West	Calm	0		29.90	76	74	74		"	"	2	"	
8			"	"	0		29.92	76	76	75		"	"	2	"	
9			S. by E.	S. by E.	0-1		29.92	77	77	76		"	"	5	"	
10			S.	S. by E.	1		29.95	77	77	76		"	"	6	"	
11			"	S. by E.	1		29.95	78	78	77		"	"	8	"	
Noon.			S. S. E.	S. S. E.	1		29.95	78	78	77		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° ' "
Longitude by D. R. at Noon — ° ' "
Latitude by Observations at Noon ⊙ — ° ' "
Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "
Current during the time — knots — fms. per hour, setting to the
Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "
Variation of the Compass by Azimuth ⊙ observed at — ° ' "
Water expended during the preceding 24 hours — gallons.
Water — during the preceding 24 hours — "
Water remaining on hand fit for use at Noon — "
Coal consumed during the preceding 24 hours — tons — lbs.
Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
P. M.																
1			S. by E.	South	4		29.95	76	78	77		Hazy	Cir. Cumu.	9	S	
2			S. S. E.	"	4		29.92	76	76	74		"	"	9	"	
3			"	"	4		29.90	76	76	74		"	"	9	"	
4			S. by E.	"	4		29.90	75	75	74		"	"	9	"	
5			S. S. W.	"	4		29.90	75	76	75		"	"	9	"	
6			S. by E.	"	3		29.90	74	75	73		"	"	9	"	
7			S. S. E.	"	2		29.88	73	74	73		"	"	9	"	
8			S. W. by W.	S. S. E.	3		29.88	73	73	72		"	"	8	"	
9			S. E.	S. S. W.	4		29.90	73	73	71		"	"	8	"	
10			South	"	3		29.90	73	72	71		"	"	8	"	
11			"	Calm	0		29.90	73	72	71		"	"	4	"	
Mid.			"	"	0		29.90	73	72	71		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "
Longitude by Chronometer from Observations * — ° ' "
Variation of the Compass by Amplitude observed at Sunset — ° ' "
Variation of the Compass by at — ° ' "

under the command of Commander W. Scott Schley, U. S. Navy,

Saturday September 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M. Cloudy Mostly Pleasant Fresh Gales and Squally Bright moonlight At 2.30 Turning to ebb

Sigd. L. P. Jocelyn
Master

From 4 to 8 P.M. Cloudy Mostly Pleasant Light airs from N.N.W. first part Gales latter part At 7.30 Tug Dispatch sent to report 2.35 Rec'd. A. M. S. Vulcan came in and anchored Ebb tide

Sigd. G. B. T. Moore
Ensign

From 8 P.M. to Midnt Clear Mostly Warm Light airs varying from N.N.E. to S.S.E. Squalls to Flood at 8.30 By order of Comdr. W. S. Schley U.S.N. undertaken from confinement with request to be duly

Sigd. Saml. G. Lemly
Ensign

From Midnt to 4 P.M. Clear Pleasant Moderate sea breeze from S.E. Gale Squalls Three large Steamers came in and anchored Turning to ebb at 5.30

Sigd. G. B. T. Moore
Ensign

From 4 to 8 P.M. Clear Mostly Warm Light to gentle breeze from S. and S.S.E. Ebb tide Slack water at 7.30

Sigd. Saml. G. Lemly
Ensign

From 8 P.M. to Midnt. Cloudy Warm Moderate breeze first part from S.S.E. Gales latter part Flood Tide

Sigd. G. B. T. Moore
Ensign

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1					1		29.91	72	72	71		b.c.m	Cir Cum	3	A	
2					0-1		29.91	72	72	71		"	"	1	"	
3					56		29.91	72	72	71		b.c.m	"	5	"	
4				"	3-5		29.91	72	72	71		"	"	6	"	
5				"	2-3		29.92	72	72	71		b.c.m	"	9	"	
6				"	2-3		29.91	72	73	72		"	"	1	"	
7				"	3-4		30.01	72	74	72		"	"	1	"	
8				"	2-3		30.02	73	74	73		o.d.c	"	0	"	
9				Calm	0		30.02	73	74	70		o.m.	"	0	"	
10					2		30.02	73	70	75		"	"	0	"	
11					2		29.99	74	76	74		"	"	0	"	
Noon.					2		29.96	74	76	74		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	300 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	1250"	
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1					1-2		29.94	74	77	75		cr	Cir Cum Strat	0	A	
2					1-2		29.91	74	77	76		"	"	0	"	
3					1-2		29.90	75	77	76		"	"	0	"	
4					2-3		29.90	75	77	76		b.c.m.	"	1	"	
5					3		29.93	74	75	74		o.c.m	"	0	"	
6				"	3		29.98	73	75	73		"	"	0	"	
7				"	3		30.00	73	74	72		"	"	0	"	
8				"	3		30.02	73	74	72		b.c.m.	"	2	"	
9				"	4		30.00	73	74	72		"	"	1	"	
10				"	3		30.00	74	74	72		"	"	1	"	
11				"	2-3		30.00	74	74	73		"	"	1	"	
Mid.				"	1-2		30.00	74	74	73		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Sunday September 18th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and with A.M. Cloudy. Mostly. Hazy. Light and from E. N.E. and N.N.W. first two hours Gentle to fresh breeze from S.S.W. last two. Tides Tide Clocks wound at 8.10

Signed Smith G. Lemly Ensign

From 4 to 8 A.M. Weather overcast Cloudy and misty Drizzling rain last hour of watch Bar. rising Sea smooth Ebb tide At 7.20 Flag Ships made general sig 3350 Aves

Signed G. K. Curtis Lieut

From 8 A.M. to Meridn Overcast and misty Sea first hour Light breeze remainder of watch from N.N.W. to N.N.W. At 9.23 had divine inspection At 10 Comdy Officer inspected Ship and crew at quarters afterwards read prayers Upon recomendation of Surgeon sent D.C.E. removed A.S. to hospital on shore by order of Comdy Officer Sent 1 Cutter Party on shore Survey to ebb at 12

Signed G. P. Moore Ensign

From Meridn to 4 P.M. Overcast Misty Light to gentle variable breeze Bar. steady Sea smooth Survey to flood at 1.20.

Signed G. K. Curtis Lieut

From 4 to 8 P.M. Overcast Misty and Pleasant Moderate and breeze from S.S.E. Survey to ebb at 4.20 By order of Comdy. Officer confined Jno Donovan Ord in double irons for fighting and drunkenness.

Signed G. P. Moore Ensign

From 8 P.M. to Midn Cloudy but Pleasant Variable light from S.S.E. Bar. rising Sea smooth Flood Tide

Signed G. K. Curtis Lieut

Moored Yellow Jack Bro 76 20°

Examined and found to be correct.

Signed Asa. Walker Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,
Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			Dby E	Calm	0		30.05	74	74	73		0	Cum Mist	0	A	
2			"	"	0		30.05	73	74	73		"	"	0	"	
3			Dby Pt.	"	0		30.05	73	74	73		"	"	0	"	
4			"	S. S W.	2		30.06	73	73	72		"	"	0	"	
5			W	"	2		30.08	73	73	72		"	"	0	"	
6			W by S	"	1-2		30.08	73	73	72		ob	"	0	"	
7			W by W	"	1-2		30.10	72	73	72		"	"	0	"	
8			W by S	"	0-1		30.11	72	73	72		"	"	0	"	
9			S W	S. S E	1		30.13	72	73	72		0	"	0	"	
10			"	"	1		30.13	72	73	72		"	"	0	"	
11			Dby W	S. S E	1-2		30.15	72	73	72		"	"	0	"	
Noon.			W	"	1-2		30.15	72	73	72		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	350 gallons.		
Water during the preceding 24 hours	1900 "		
Water remaining on hand fit for use at Noon	3500 "		
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			Dby W	S. S E	1-2		30.15	72	73	72		or	Cum Mist	0	A	
2			W	W S W	1-2		30.16	72	73	72		"	"	0	"	
3			South	S S W	3-4		30.15	72	73	72		"	"	0	"	
4			S S E	E	3-4		30.15	72	73	72		"	"	0	"	
5			W by S	"	2		30.11	73	73	72		ord	"	0	"	
6			W W	"	1-2		30.13	73	73	72		or fit	"	0	"	
7			W	"	1-2		30.15	73	73	72		ob	"	0	"	
8			"	"	1-2		30.17	73	73	72		"	"	0	"	
9			W W	Calm	0		30.17	73	73	72		"	"	0	"	
10			W by W	W	1-2		30.17	73	73	71		or	"	6	"	
11			"	"	1-2		30.20	73	73	71		"	"	6	"	
Mid.			W	"	1-2		30.20	73	73	71		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander H. Scott Schley, U. S. Navy,

Monday September 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with A.M. Overcast and cool. Crew at first three hours Light breezes both hours from S.S.W. Fleet Tides.

Signed G.B.T. Moore
Ensign

From 4 to 8 A.M. Overcast. Dredging last half of watch. Crew Mixed cloudy Light breeze from S.S.W. At 8.30 Swung to ebb. Received on Pay Roll 1,33 lbs fresh beef and 88 lbs vegetables for crew

Signed L. P. Jewett
Master

From 8 A.M. to Meridian Cloudy and Pleasant Light airs and light breezes from S.S.E. shifting to S.S.W. Sea running slowly Sea smooth Dredge to flood at 8.30 At 9 Overcast at quarters quarters Punished Custody Court at 10 A.M. Prisoners 1st Ord. Seaman, 2nd Class Had Ord. 1st Class Pedro 2nd Class Seaman 2nd Class The following men absent without leave at 8 A.M. Jno. Hackett (Ord. Sea) John Baldwin Francis Giles (2nd) Manuel Clark (Ord.) James Hughes (2nd) Andrew Mc. Donald (Ord. Sea) Jno. Donahue released from confinement and restored to duty. Crew employed in Dredging Fleet

Signed C.H. Curtis
Lieut

Meridian to 4 P.M. Overcast Raining latter part of watch Wind moderate shifting from N.W. by way of S. to E. Crew Mixed cloudy Dredging to flood

Signed L.P. Jewett
Master

From 4 to 8 P.M. Weather cloudy and raining Thunder and lightening to S.E. and N.E. Sea running Sea smooth Swung to ebb at 4.20 All the men absent without leave returned on board at 4.30

Signed C.H. Curtis
Lieut

From 8 P.M. to Midnight Overcast Raining latter watch Crew Mixed cloudy Light N.E. by E. breeze to Reading to ebb

Signed L.P. Jewett
Master

Examined and found to be correct.

Navigator.

LOG of the United States Steamer Essex, 3 Rate, 6 Guns,
Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			N.W.	South	1-2		30.20	73	78	71		0	Cum. Nim.	0	S	
2			S.	"	1-2		30.20	73	73	71		"	"	0	"	
3			"	"	1-2		30.18	73	73	71		"	"	0	"	
4			"	"	1-2		30.10	73	73	71		"	"	0	"	
5			S. S.W.	S by W.	1		30.05	73	72	72		bc	"	1	"	
6			W. by N.	"	2		30.10	72	72	71		"	"	1	"	
7			N. W.	"	1		30.12	71	71	72		bc	"	4	"	
8			W. by N.	N. E.	3		30.13	71	72	72		Cum	Cir. Cum.	0	"	
9			N. N. E.	N.	3-3		30.14	71	73	70		bc	"	1	"	
10			S.W.	"	1-2		30.18	72	74	74		bcm	"	6	"	
11			S. E.	"	0-1		29.99	73	73	74		"	"	5	"	
Noon.			N. by E.	"	C-1		29.96	74	76	74		"	"	5	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observations at Noon ☉	°	′	″
Longitude by Chronometer from Forenoon Observations ☉	°	′	″
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ☉ observed at	°	′	″
Water expended during the preceding 24 hours	2 00 gallons.		
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	2600 "		
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
P. M.																
1			South	S. S.E.	5		29.96	74	76	75		Cum.	Cir. Cum.	6	N.	
2			"	S.	4-6		30.00	74	76	75		"	"	4		
3			"	"	4		30.02	74	76	75		"	"	5		
4			S by W.	"	3		30.02	74	76	74		"	"	2		
5			S. S.W.	"	3-5		30.04	74	75	74		"	"	4		
6			"	"	5-6		30.06	73	74	73		"	"	6		
7			W. by S.	"	6-6		30.08	70	73	73		"	"	4		
8			W. N.W.	S.E.	0		30.11	70	74	72		"	"	6		
9			N.W.	N. N.W.	2		30.15	74	74	73		cml	"	0		
10			S. S.W.	W. N.W.	1		30.15	74	74	73		cml	"	0		
11			S. W.	W. N.W.	3		30.09	70	74	72		cpb	"	0		
Mid.			S. S.W.	"	2		30.09	72	74	73		0	"	0		

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander H. Scott Schley, U. S. Navy,

Tuesday September 7th, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and threatening Wind light from S. Bar rising Considerable swell setting into Harbor Ship rolling about 5° each Way. Observed moderate Sunny to flood at 1.50

Signed G. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy Mostly Light airs to gentle breeze from S. and S.W. & fluctuating to Most part Long swell from S.E. Unable to ebb at 6.15 At 7.30 Flag Ship made general signal 8.35 Ans Received fresh provisions for crew

Signed Jas. G. Leavitt
Ensign

From 8 A.M. to Meridn. Overcast 1st part Clear remainder of watch Six Am Vessels outside At 8.45 Flag Ship made general signal 8.48 Ans and hoisted sail Employed in heaving out hold. Stood off and Flying Jib Sailmaker At 9.30 Ship running to flood. At 11.20 running to ebb. Light breeze from N.E. during watch

Signed R. H. Henderson
Midn

From Meridn to 4 P.M. Cloudy Mostly Gentle to fresh breeze from S.S.E. and S. Flood tide At 1 Flag Ships made Sig 4826 and Then general 4826 Ans and saluted with 21 guns At 2 Flag Ship made general Sig 1057 Ans and sent boat. Employed in heaving out and stowing hold.

Signed Jas. G. Leavitt
Ensign

From 4 to 8 P.M. Clear Very dusty Moderate to fresh sea breeze from S.E. Flooding to equals last two hours Ending to flood. At 4.30 Flag Ship hoisted pennt Sig 2955 Ans Slack water at 6 Long swell from Southward Lighting to ebb at 7.30 Winds check out Towards end of watch Lay Henning to S.E.

Signed R. H. Henderson
Midn

From 8 P.M. to Midn Overcast Misty. Passing Showers 2nd part Thunder and lightning first two hours Tide turned flood at 9.30 Long swell from S.E.

Signed Jas. G. Leavitt
Ensign

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,
Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. by E.	N. by E.	1-2		30.08	74	74	73		b. c. m.	Cu. Cu. Nim.	7	⊘	
2			"	Calm	0		30.08	74	74	73		"	"	8	"	
3			S. S. W.	"	0		30.08	74	74	73		"	"	8	"	
4			"	"	0		30.08	74	74	73		"	"	8	"	
5			S. by E.	"	0		30.08	73	74	73		"	"	8	"	
6			S. S. E.	"	0		30.08	73	74	72		o. m.	"	0	"	
7			N. N. W.	N. W. by N.	0-1		30.07	72	73	72		"	"	0	"	
8			"	N. by E.	0-1		30.10	72	73	72		b. c. m.	"	2	"	
9			N. by E.	N. N. W.	0-1		30.10	73	76	74		"	"	1	"	
10			E. N. E.	"	1		30.10	74	76	74		"	"	3	"	
11			S. S. E.	"	2		30.10	74	76	74		"	"	3	"	
Noon.			South	S. S. E.	3		30.10	74	76	74		"	"	6	"	

	knots	fathoms.
Distance run by Log since preceding Noon		
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observations at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1			S. by E.	"	5		30.05	74	75	74		b. c. m.	"	6	⊘	
2			South	South	4		30.02	74	76	74		"	"	4	"	
3			"	"	4		30.02	74	75	74		"	"	4	"	
4			"	"	4		30.00	74	75	74		"	"	5	"	
5			S. S. W.	S. by W.	4		30.00	74	75	74		b. c. m.	"	4	"	
6			S. W. by S.	"	2		30.00	74	75	74		"	"	6	"	
7			W. by S.	Calm	0		30.00	74	75	74		"	"	6	"	
8			N. N. E.	S. W.	1		30.00	75	76	75		"	"	7	"	
9			N. by E.	Calm	0		30.07	76	76	75		"	"	9	"	
10			S. W.	"	0		30.07	76	77	75		"	"	9	"	
11			"	"	0		30.02	76	77	75		"	"	9	"	
Mid.			S. S. by E.	"	0		30.02	76	77	75		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander H. Scott Schley, U. S. Navy,

Thursday September 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 P.M. Cloudy. Dumb Calm. Rowing across the harbor first two hours. Received recording Lt. At 3.30 Journey to flood.

Signed R. F. Henderson
Mid.

From 4 to 8 P.M. Cloudy and misty Calm first part from N. N. W. and N. W. At 7.30 Flag Ship made general signal 3351. Ans. Journey to ebb at 6.20.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy Misty Pleasant Light airs to gentle breeze from N. N. W. and S. S. E. Journey to flood at 10.20 At 9.15 unexpected at quarters At 9.20 made returns signal 3250 Flag Ship signal 984. By order of Comdr Thomas Tilly C. M. was released from confinement Received in Aquid Dept 4 bottles peas canned and 2 bbls lime and in Pay Dept 105 pays bread and 5 bbls coffee Engaged in setting up rigging Received from Mare Island Hospital notification of the death of P. A. Engineer A. D.

Signed Jamb. C. Lemly
Ensign

From Mid. to 4 P.M. Cloudy Pleasant Foggy Moderate to stiff breeze from S. S. W. to South. At 3.20 Flag Ship made general Signal 2954 Ans. and at 3.30 Ship tacks And Engaged in stowing bread below and stowing anchor Flood Tide

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Misty Calm and light breeze to light airs from S. W. and S. At sunset unbent to gun deck and carried out clew hammocks Bent flying jib T. T. Mz staysail and gaff topsail. Journey to ebb at 7.15.

Signed Jamb. C. Lemly
Ensign

From 8 P.M. to Mid. Clear Misty Calm Long swell. Ship rolling easily Journey to flood at 11.

Signed C. B. T. Moore
Ensign

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Rio de Janeiro Brazil South America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			N by E	Calm	0		30.00	74	75	74		Dem.	Cir. Cum.	8	D	
2			N N W	S E	0-1		30.00	74	75	74		"	"	9	"	
3			N by W	"	1		30.00	74	75	74		"	"	8	"	
4			W	"	1		30.00	74	75	74		"	"	8	"	
5			W by N	"	1-2		30.00	74	74	73		"	"	8	"	
6			N W N	North	1		30.00	74	74	73		"	"	8	"	
7			N by N	Calm	0		30.00	74	74	73		"	"	8	"	
8			"	Calm	0		30.00	76	78	74		"	"	8	"	
9			N N W	"	0		30.00	76	77	76		"	"	8	"	
10			N W	"	0		30.00	76	77	76		"	"	8	"	
11			N N W	"	0		29.98	76	78	76		"	"	8	"	
Noon.			N by W	South	0		29.98	78	78	76		"	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observations at Noon ☉ — ° ' "

Longitude by Chronometer from Forenoon Observations ☉ — ° ' "

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ☉ observed at — ° ' "

Water expended during the preceding 24 hours — 1.80 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1950 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
P. M.																
1			N N W	South	1		29.93	77	80	77		Dem.	Cir. Cum.	8	D	
2			N by E	"	1		29.90	78	81	78		"	"	8		
3			N N W	"	2		29.90	79	82	79		"	"	8		
4			N W	"	2		29.87	79	82	79		"	"	8		
5			N N E	"	2		29.90	80	83	80		"	"	8		
6			"	Calm	0		29.90	80	82	80		"	"	8		
7			N	N N W	1		29.90	80	82	80		"	"	9		
8			N by W	"	1		29.90	80	82	80		"	"	9		
9			N N W	N W	1		29.91	79	81	78		"	"	5		
10			N W	"	1		29.91	78	79	77		"	"	5		
11			N N W	"	1-2		29.91	78	79	77		"	"	5		
Mid.			N by W	"	1-2		29.91	77	79	77		"	"	5		

Longitude by Chronometer from Afternoon Observations ☉ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. Scott Schley, U. S. Navy,

Thursday September 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Mo. Clear. Mostly and dampd. Calms and light airs from N.E. Sunny to Cor. Sunny to Cor at 6h 5m Long yeoelts from S.E. Struck water at 8.30

Signed David G. Lemly
Ensign

From 4 to 8 A.M. Mo. Weather clear and warm. Mostly around Horizon. Bar steady Sea smooth. Tide turned NE at 6h 15m. At 7.30 Flag Ship made general signal 3331. And

Signed G. W. Curtis
Lieut

From 8 A.M. to Meridn. Clear Calm. Warm. Sea breeze set in at 11.30 Mostly around Horizon. At 8h 45m Flag Ship made prep 2h 55m. And and lowered each. Brought to a sea and hoisted in launch. Received in Equip 40 gallons water. Sunny to flood at 11

Signed G. E. T. Moore
Ensign

From Meridn to P.M. Clear Warm. Mostly around Horizon. Bar falling. Sea smooth. Flood Tide. Varied light from South. At 1. Flag Ship made Sig 326 and ans 326. And and hoisted each. At 1.20 made interval 2915. Flag Ship answered 907. At 2 went to quarters and turned to clean hammocks. Received in Bay 40 lbs 100 yds chafing. 50 doz yarns Mattocks 100 pieces of Tape. 8 bbls sugar. 6 bbls Flour 1 bbl of molasses. 2 boxes Block tin 5 doz tins Blacking and 2 bottles cloth Lighter water cans and 1 provision cans also sixty at end of water. Received in Engineer 40 gal 8 bbls lime

Signed C. W. Curtis
Lieut

From 4 to 8 P.M. Clear and warm. Mostly around Horizon. Light breeze from E. first part Sea breeze commenced at 7. Sunny to flood at 7.

Signed G. E. T. Moore
Ensign

From 8 P.M. to Midn. Partially cloudy. Mostly Varied light from S.W. Bar steady Sea smooth. Tide turned flood at 10.20

Signed G. W. Curtis

Moons Glass last at 12 Mer 27°

Examined and found to be correct.

Signed Wm Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Rio de Janeiro Bragil S A

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.west	S.S.E.	2		29.90	77	78	77		Do.	Cir. Cumu.	9	S	
2			"	"	2		29.89	77	78	77		"	"	9	"	
3			"	"	3		29.87	77	78	76		"	"	9	"	
4			N by W	S.E. by E	3		29.87	77	78	76		"	"	8	"	
5			"	N by W	3-5		29.89	77	78	76		"	"	8	"	
6			S.E. by S	"	3-4		29.90	78	78	76		"	"	7	"	
7			S.E. by E	"	2-3		29.90	78	80	76		"	"	7	"	
8			"	"	2-3		29.90	79	82	76		Dem.	"	7	"	
9			N by W	"	2-3		29.95	81	84	77		"	"	6	"	
10			N by E	"	2-3		29.95	82	85	79		"	"	6	"	
11			"	N. by W	2-3		29.95	82	86	83		"	"	6	"	
Noon.			"	"	2-3		29.90	84	88	82		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observations at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 184 gallons.

Water received during the preceding 24 hours — 1500 "

Water remaining on hand fit for use at Noon — 28.02 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S.E. by E	"	3		29.92	82	85	82		Dem.	Cir. Cumu.	5	D	
2			"	"	3-5		29.96	80	82	79		"	"	5	"	
3			S.E. by E	S.E. by E	3-4		29.90	78	81	78		"	"	1	"	
4			S.E.	S.E.	4		29.90	78	82	77		"	"	6	"	
5			S.E. by E	"	3		29.93	78	82	78		"	"	5	"	
6			N.E.	N.E.	1-2		29.97	78	82	78		"	"	5	"	
7			N.E.	"	1-2		29.97	78	81	79		"	"	0	"	
8			E.	"	0-1		30.00	79	79	78		"	"	4	"	
9			N.E. by E	"	0-1		30.00	79	79	77		"	"	3	"	
10			N.E. by E	E.	1		30.00	79	79	77		"	"	5	"	
11			N.E.	"	2		30.00	78	78	77		"	"	0	"	
Mid.			E.	"	3		30.00	78	78	76		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Friday September 20th, 1895.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Clear Pleasant Light to stiff breeze from N.N.W. to W.N.W. Abt Tides
Signed G. B. T. Moore
Ensign

From 4 to 8 A.M. Clear Warm Gentle breeze from N.W. and N.W. by N. Bar Steady Sea smooth. Cir Stratus clouds Ebbing to ebb. At 7.30 Flag Ship made general signal 237 Received on board fresh provisions for use.
Signed L. P. Jewett
Master

From 8 A.M. to Noon Clear Warm Gentle breez from N.W. and N.W. by W. Bar steady Sea smooth. At 9.5 made interrog 6/16. Flag Ship answered 9.7 Ans and sent down 100 galvd yards. At 9.25 made interrog signal 6/19. Flag Ship answered 9.7 Shifted topsails. Received on Pay Roll 15 boxes Tobacco Got Spare anchor inboard and stowed it in fore hold. Transferred Lewis Robb (A) to Hartford with accts and Jas. Jeremiah O'Brien 1st was sent to hospital with bag and hammock
Signed G. W. Curtis
Lieut

From Noon to 4 P.M. Clear Warm Moderate to stiff sea breeze from S.W. Shifting to South. Cir Cumu clouds. Signals in first cutter John Burk (C) jumped from gig while on shore Ebbing to flood.
Signed L. P. Jewett
Master

From 4 to 8 P.M. Partially cloudy, and sultry Gentle breez from S. first hour shifting to N.E. and decreasing to light airs at end of watch. Bar rising Sea smooth. Tide turned ebb at 4.30 Engaged in making preparation for sea Received from Hartford Henry Mullins (C) with Trunk & Jas. Bag and Hammock.
Signed G. W. Curtis
Lieut

From 8 P.M. to Mid. Pursued Usual Light breez from E.S.E. Ebbing to within 6 miles of Noon
Signed L. P. Jewett
Master

Noons Observed Lat 40° 0' N. 25°

Examined and found to be correct.

Signed Fred Walker
Lt. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making Passage from Rio de Janeiro Brazil to Cape Town Cape Good Hope.

Hour.	Knots.	Leeway.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1			E. N.E.	S.S.W.	0-1		30.05	77	77	75	75	one	Cum. Strat.	0	A	
2			N by W	"	1-2		30.05	75	75	74	74	"	"	0	"	
3			N.N.W.	"	2		30.05	75	75	74	74	one	"	0	"	
4			N by W	"	2-3		30.05	75	75	73	73	"	"	0	"	
5			S	"	3		30.05	75	74	73	73	"	"	0	"	
6			S by W	"	3		30.06	75	74	73	73	or	"	0	"	
7			S	"	2		30.10	75	73	73	73	one	"	0	"	
8			S.S.W.	"	2		30.12	74	73	73	73	"	"	0	"	
9			S.W.	S.W.	2		30.15	73	72	70	70	"	"	0	"	
10			"	"	3		30.17	71	72	68	70	"	"	0	"	
11			"	"	3-4		30.18	70	70	69	69	"	"	0	"	
Noon.			Set mainsail	"	3-4		30.19	69	69	68	68	"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° — ′ — ″

Longitude by D. R. at Noon — ° — ′ — ″

Latitude by Observations at Noon ☉ — ° — ′ — ″

Longitude by Chronometer from Forenoon Observations ☉ — ° — ′ — ″

Current during the time — knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° — ′ — ″

Variation of the Compass by Azimuth ☉ observed at — ° — ′ — ″

Water expended during the preceding 24 hours — 240 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2562 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Leeway.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
P. M.																
1	3	6	S.S.E.	S.W.	5-6		30.19	67	67	65		o. q. d.	Cirrus Strat.	0	N	
2	5	6	"	"	5-6		30.18	66	66	64		"	"	0	"	
3	5	6	"	"	5-6		30.14	66	66	64		"	"	0	"	
4	6	4	S.E. by E.	"	5-6		30.16	65	65	64		"	"	6	"	
5	7	3	S.S.E. 1/2 E.	"	6-6		30.16	66	66	66		"	"	0	0	
6	6	0	"	"	6-6		30.19	67	68	66		"	"	0	0	
7	7	0	S.E. by E.	S.S.W.	6-6		30.19	66	67	67		"	"	0	0	
8	7	0	"	"	6-6		30.19	66	67	67		"	"	0	0	
9	6	0	"	"	4-5		30.20	67	68	67		o. q.	"	0	"	
10	5	0	"	"	4-5		30.23	67	68	67		o. q.	"	0	"	
11	6	0	E.	S.S.E.	3-5		30.23	68	68	67		o. q.	"	0	"	
Mid.	6	6	E. by N.	S.E. by S.	3-4		30.23	68	68	67		or	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° — ′ — ″

Longitude by Chronometer from Observations * — ° — ′ — ″

Variation of the Compass by Amplitude observed at Sunset — ° — ′ — ″

Variation of the Compass by at — ° — ′ — ″

under the command of Commander H. Scott Schley, U. S. Navy,

Saturday September 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and misty Light drizzling rain Greater part of watch Sea steady Sea smooth All Fine

Signed C.H. Curtis
Lieut

From 4 to 8 A.M. Overcast Light drizzling rain Light to gentle breeze from S.W. to W. Steering to Yards at 4.30 At 5 started fires in 4 boilers Took off mooring swivel & shackle up starboard anchor Quit ws to 45 fms Port chain Secured Sailing for sea At 7.30 Flag Ship made sig no 3850 Ans

Signed Lieut. G. Stanley
Ensign

From 8 A.M. to Noon Overcast Drizzling rain Moderate and breeze from S.W. At 8.45 made interrog 69 Flag Ship answered 97 Crossed Fish gallant yards and royal yards Sent Pilot Hackett to Hospital At 10.25 made interrog 389 At 12 M got underway and stood out to sea under 4 boilers Brought fires 14 Aneid 15 Aft 16

Signed L. P. Jewett
Master

From Noon to 4 P.M. Overcast disagreeable and threatening weather At 12.25 took departure Fort Sumter S 25° E 3 1/2 miles abeam Ship Steering S.E.E. At 3.10 at sea Set reefed topsails and foresail Steaming under 4 boilers 18 Blowing very fresh winds from S.E. and W.S.W. At 4 Steam pressure 90 lbs Rev 42 Went out Sails and secured anchors for sea

Signed Lieut. G. Stanley
Ensign

From 4 to 6 P.M. Weather cloudy and ugly Drizzling rain during entire watch Wind fresh from S.W. to W.S.W. Sea Steady Sea smooth Ship under steam and reefed topsails foresail jib fore topmast staysail Mains lower sail and spanker At 6 Steam pressure 90 lbs Rev 44

Signed G. W. Coulbourn
Ensign

From 6 to 8 P.M. Weather cloudy and ugly Drizzling rain entire watch Wind fresh from S.W. to W.S.W. Sea steady Sea smooth Ship under Steam and reefed topsails foresail jib fore topmast staysail mains lower sail and spanker At 8 Steam pressure 90 lbs Rev 44

Signed G. W. Curtis
Lieut

From 8 P.M. to Midnight Overcast. Drizzling rain Moderate to fresh winds from S.W. to W.S.W. at first Port fallen light and shifting to S.W. and S. latter part of watch At 11 Sounded up forward Ship under double reefed topsails foresail jib fore staysail mains lower sail and spanker At 12 Steam pressure 90 lbs Rev 42 Falls and log Caught Sea

Signed L. P. Jewett
Master

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	Leeway.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	4	E by N	S E by S	2.7		30.20	67	67	66	71	Ovc.	Cum. Strat.	0	M	
2	1	4	E by S	S by E	3.5		30.20	67	67	66	71	"	"	0	"	
3	1	4	E S E	South	3.0		30.18	67	67	66	73	"	"	0	"	
4	1	0	S E by E 1/2 E	"	3.0		30.18	67	67	66	71	"	"	0	"	
5	0	2	E by S	S by E	2.0		30.18	67	67	66	71	"	"	0	"	
6	0	2	E	"	1.2		30.18	67	68	67	72	"	"	0	"	
7	0	6	E N E	S E	3.4		30.20	67	67	67	72	"	"	0	"	
8	2	5	"	"	4.5		30.20	67	67	67	72	"	"	0	"	
9	3	0	S S W by S	"	4		30.27	66	67	66	71	"	"	0	"	
10	3	5	S S W 1/2 W	"	4		30.27	66	67	66	71	"	"	0	"	
11	2	0	S by W	S S E by E	4		30.37	67	68	66	71	C	"	0	"	
Noon.	2	0	"	"	1.3		30.37	67	68	67	71	"	"	0	"	

Distance run by Log since preceding Noon 93 knots 9 ~~fathoms~~ Tenths

Latitude by D. R. at Noon S. 35° 48' "

Longitude by D. R. at Noon W. 42° 2' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 382 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2730 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Leeway.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	1	0	S by W	E. S E.	2.8		30.22	69	70	68	70	0	"	0	M	
2	2	4	S by W 1/2 W	S. E by E	3.4		30.22	69	70	68	70	"	"	0	"	
3	4	0	"	"	4		30.20	69	70	68	70	"	"	0	"	
4	4	6	S by W	S. E by E.	4		30.20	69	70	68	70	"	"	0	8	
5	4	6	S by W 1/2 W	"	4		30.20	70	70	68	70	"	"	0	"	
6	5	0	S W 1/4 W	"	4		30.20	70	70	68	70	"	"	0	"	
7	4	7	S by W 1/2 W	"	5		30.22	69	70	68	72	"	"	0	"	
8	4	6	S by W 1/4 W	S E	6		30.20	69	70	68	72	Ha.	"	1	"	
9	4	8	S W by W 1/4 W	"	4.5		30.26	70	70	68	72	"	"	1	"	
10	4		S 1/2 W	E. S E.	4.5		30.26	71	70	68	72	"	"	1	"	
11	4		S 1/4 W	"	4.3		30.27	70	70	69	72	"	"	1	"	
Mid.	3	5	"	"	4.5		30.25	70	70	68	72	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. Scott Schley, U. S. Navy,

Sunday September 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and disagreeable Light dingling rain Light to gentle breeze from NE by E and E.S.E. At 12.05 sighted revolving light two points forward of beam At 12.10 observed flickering or intermittent propeller At 12.40 set foregaff At 12.55 revolving light bore N.W. 1/2 E. Hove lead E. At 1 sounded found At 2 sounded no bottom at 20 fms.

Signed Saml. H. Lemly
Ensign

From 4 to 8 A.M. Overcast and dingling rain Light and first part from E by S gentle to stiff breeze latter part E.S.E. Sea moderate. At 5.10 sighted Cunds Island Light bearing N by W. Hove lead E. At 7.30 shook reefs out of topsails and set T.G. sails Barometer rising rapidly Hydrometer 26

Signed C. E. T. Moore
Ensign

From 8 A.M. to Noon Weather overcast Dingling rain first half of watch Bar. Steady Sea moderate At 8 wore ship to S.E. and E. Wind moderate to gentle from E.S.E. and S.E. by E. At 10.30 set royals single reefed mainsail and gaff topsail Quantity sea water 27

Signed C. H. Curtis
Lieut.

From Noon to 4 P.M. Overcast Cool: Moderate S.E. by E. breeze Gun Knob abeam At 1 set flying jib Spoke by A. Lerman brig standing in for Cape Fear Exchanged colors with her At sundry watch sail in sight + Ft. on lee beam Lerman brig on lee quarter Quantity sea water 25 Tutts and dry

Signed L. P. Jewett
Master

From 4 to 6 P.M. Overcast and pleasant Moderate breeze from S.E. and E.S.E. At 6 furled royals and stood on flying jib Tost single reefed ins topsails Quantity sea water 25 Tutts and dry

Signed Saml. H. Lemly
Ensign

From 6 to 8 P.M. Cloudy and pleasant Gun Knob abeam Stiff to fresh breeze from N.E. by E and E.S.E. Sea moderate Bar. rising Quantity sea water 25

Signed C. E. T. Moore
Ensign

From 8 P.M. to Midn. Cloudy Wind moderate from E.S.E. and N.E. Barometer steady Sea moderate Ship under single reefed topsails T.G. sails single reefed mainsail jib foretopmast staysail and spanker Weather cloudy Tinbanks out of watch Quantity sea water 26

Signed C. H. Curtis
Lieut.

Moon's phase last qr. Dec N 27°

Examined and found to be correct.

Signed Chas. Walker.
Navigator.

LOG of the United States Steamer Essex, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
A. M.																
1	3	8	S.E½E	E.S.E½E	4		30.24	70	71	69		Bd	Cir. Cumu.	7	A	
2	4	4	"	"	4		30.20	70	71	69		"	"	8	"	
3	4	5	S.E.½E	"	4.5		30.20	70	71	68		"	Cr. Cumu.	2	"	
4	4	8	"	"	4.5		30.20	70	70	68		"	"	3	"	
5	5	5	South	E.S.E.	4.5		30.20	70	69	67		"	"	2	"	
6	6	0	S.E½E	"	4.5		30.20	70	70	68		"	"	4	"	
7	5	5	S by E½E	E by S	4		30.24	70	70	68		"	"	6	"	
8	5	5	S.S.E½E	E	4		30.26	71	71	69		"	"	6	"	
9	3	0	S. E by S	E by N	4		30.26	71	72	69		"	"	9	"	
10	4	7	"	"	4		30.25	72	73	70		"	"	9	"	
11	4	8	"	"	4		30.25	72	73	70		"	"	2	"	
Noon.	4	4	"	"	4.		30.24	72	73	70		"	"	3	"	

Dist D 25°0 Long H 42°

Distance run by Log since preceding Noon 104 knots 7 tenths fathoms.

Latitude by D. R. at Noon South 25° 28' "

Longitude by D. R. at Noon H 42° 55' "

Latitude by Observations at Noon ☉ S. 25° 11' 6"

Longitude by Chronometer from Forenoon Observations ☉ H 42° 3' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ☉ observed at 7.45 A.M. Lat 24° 58' Long H 42° 12' Westerly 3. ° ' "

Water expended during the preceding 24 hours 270 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1960 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Var by Amp 3°15' W

Hour.	Knots.	Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the mill the vessel is under at end of watch.
P. M.																
1	4	4	S.S.E½E	E by N	4		30.19	72	73	70	74	Bd	Cir. Cumu.	6	A	
2	4	5	S.S.E½E	"	4		30.18	72	72	69	74	"	"	6	"	
3	4	0	S.S.E½E	"	4.3		30.17	71	72	69	74	"	"	7	"	
4	5	8	S. E by S	"	4		30.17	71	72	69	74	"	"	7	"	
5	5	8	"	"	4		30.18	71	72	69	74	"	"	7	"	
6	5	0	"	"	4		30.19	71	72	69	74	"	"	4	"	
7	4	8	"	"	4.5		30.18	71	71	68	74	"	"	7	"	
8	5	1	"	"	4.5		30.18	71	70	68	74	"	"	4	"	
9	5	0	"	"	4		30.20	71	71	69	74	"	"	2	"	
10	4	4	"	"	3.7		30.20	71	70	68	73	Cg	"	0	"	
11	4	7	"	"	3.7		30.20	70	70	68	73	Bdy	"	1	"	
Mid.	5	4	"	E by S	3.7		30.18	70	70	68	73	"	"	1	"	

Dist D 25° 44' Long H 41° 53'

Longitude by Chronometer from Afternoon Observations ☉ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy,

Monday September 22nd, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends A.M. Clear first part Cloudy latter part of watch Fair Light Northerly Moderate to stiff breeze from E.S.E. Long ocean swell from S.E. and E.S.E. Moored at 8.30 Full and by Ship rolling and pitching considerably.

Signed A. D. Jewett
Master

From 4 to 8 A.M. Clear and Pleasant Moderate to stiff breeze from S.E. and S.S.E. At 7.30 Shook out reefs set royals and flying jib Full and by Gunnery exercise at quarters

Signed Saml. G. Bently
Ensign

From 8 A.M. to Meridian Clear first part Cloudy latter part of watch Pleasant under a fresh breeze from E by N. Sea moderate Ship under all plain sail. Broke off and overhauled fish tackle chains Ship pitching easily Long swell from S.E. and N.E. Gunnery 26

Signed H. B. T. Moore
Ensign

From Meridian to 4 P.M. Clear and Pleasant Wind moderate to fresh from E by N. Bar falling slowly Ship pitching easily Long swell from S.E. Ship under all plain sail to royals employed as required Gunnery exercise at quarters

Signed C. V. Curtis
Lieut

From 4 to 6 P.M. Clear. Pleasant. Stiff breeze from E by N. Fair Ground cloudy At 5.00 took in royals and flying jib took one reef in topsails and set T.G.sails Full and by. Long swell from S.E. Gunnery exercise at quarters 26 Ship under single reefed T.G. sails fore and main sail fore topmast staysail gaff topsail and spanker

Signed A. D. Jewett
Master

From 6 to 8 P.M. Clear and Pleasant. Moderate to stiff breeze from E by N. Full and by Gunnery 26.

Signed Saml. G. Bently
Ensign

From 8 P.M. to Midnight Cloudy and Pleasant Stiff to very fresh breeze from E by N. and E.N.E. Sea moderate Barometer falling slowly latter part of watch At 8. took in sail furled T.G. sails Gunnery exercise at quarters 26

Signed H. B. T. Moore
Ensign

Moored Pleasant last quarter Fresh 14°

Examined and found to be correct.

Signed A. A. Walker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Tenths Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	2	S.E. by S.	E. by E.	4 S		30.15	70	70	68	73	bd	Cir. Cump Nimbi	3	S	
2	5	4	"	"	4 S		30.13	70	70	68	72	"	"	7	"	
3	4	5	"	"	4 S		30.11	70	70	67	72	"	"	3	"	
4	4	8	"	"	4 S		30.10	70	70	67	72	"	"	4	"	
5	4	5	"	"	4 S		30.10	69	69	67	72	"	"	4	"	
6	4	5	"	E. by N.	4		30.12	69	69	68	72	"	"	4	"	
7	5	6	"	E. by E.	4		30.14	69	69	68	71	"	"	6	"	
8	5	6	"	"	4		30.17	69	69	68	71	"	"	4	"	
9	5	2	"	E. by E.	4		30.18	70	70	68	72	"	"	2	"	
10	5	0	S.S.E.	E. by N.	4		30.18	70	70	68	72	0	"	0	"	
11	4	5	"	"	3-4		30.15	70	70	68	71	"	"	0	"	
Noon.	4	6	S.E. by S.	"	4		30.13	70	70	68	71	"	"	0	"	

Lat S 26° 36'
Lon W 41° 5'

Distance run by Log since preceding Noon 119. knots 4 ~~fathoms~~ tenths.

Latitude by D. R. at Noon South 26° 48 "

Longitude by D. R. at Noon West 40° 46 "

Latitude by Observations at Noon ⊙ South 26° 52' 47"

Longitude by Chronometer from Forenoon Observations ⊙ West 40° 57' "

Current during the time 0 knots 5 tenths fms. per hour, setting to the Sq 6.15

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at S. Alt. Lat S 26° 36' Lon W 41° 5' 30" W. 3° ' "

Water expended during the preceding 24 hours 310 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1650 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	3 1/2	2	S.S.E. 1/2 E.	E. by E.	4 S		30.13	69	70	68	70	0	"	0	S	
2	4		"	"	4		30.11	69	70	68	70	"	"	0	"	
3	4	4	"	"	4 S		30.08	69	69	67	70	"	"	0	"	
4	4	8	S.E. by S.	E. by N.	5-6		30.05	69	69	67	70	"	"	0	"	
5	6	0	S.S.E. 1/2 E.	E. by E.	5-6		30.05	69	69	67	70	bc	"	2	"	
6	4	5	S.S.E. 1/2 E.	"	5-6		30.05	68	69	67	70	"	"	4	"	
7	3	6	S.S.E. 1/2 E.	"	5-6		30.05	69	69	68	69	"	"	2	"	
8	3	5	S.E. 1/2 S.	"	5		30.05	70	69	68	69	"	"	6	"	
9	4	6	"	"	5-6		30.05	70	68	66	69	bc	"	2	"	
10	5	2	"	"	5-6		30.05	70	68	66	69	"	"	0	"	
11	5	5	"	N. by E.	5-6		30.05	70	68	66	69	cg	"	0	"	
Mid.	5	6	"	"	5-6		30.05	70	68	66	69		"	0	"	

Lat S 32° 21'
Lon W 20° 21'

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. Scott Ickley, U. S. Navy,

Tuesday September 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Pleasant Wind moderate with occasional stiff puffs from E.N.E. Barometer falling Long swell from S.E. Ship under single reefed topsails foresail single reefed mainsail topmast staysail jib and spanker.

Signed C. H. Gentle
Lieut.

From 4 to 8 A.M. Cloudy Pleasant Moderate E.N.E. breeze Our Own Wind cloudy At 4 A.M. moored with At 8 A.M. struck reefs out of topsails set royals and T.G. sails and flying jib Long swell from S.E. Quantity and water 26 Received 2 Bags.

Signed D. O Jewett
Master

From 8 A.M. to Noon Overcast and Pleasant Gentle to moderate breeze from E by N. At 9.15 inspection at quarters Exercised at Battalion drill At 10 A.M. Placed Henry Hill R.D. in solitary confinement on bread and water for disrespect to Officer Junior and Profanity By order of Commdr. Quantity and water 26

Signed Samuel C. Lemby
Purser

From Noon to 4 P.M. Overcast Pleasant Moderate to fresh breeze from E by N. and E.N.E. Barometer falling slowly Long swell from S.E. At 12.15 Changed course to S.E. by S. At 2.20 took in royals and flying jib Quantity 26.

Signed C. E. T. Moore
Ensign

From 4 to 6 P.M. Cloudy Cool Pleasant fresh from E.N.E. Barometer steady Long swell from S.E. At 5.40 furled T.G. sails and took in reefs in topsails. Immediately after mustered at quarters Quantity and water 26

Signed C. H. Gentle
Lieut.

From 6 to 8 P.M. Clear Cool Pleasant Stiff to very fresh winds from E.N.E. Steering in quarter Ship under single reefed topsails, courses jib foretopmast staysail and spanker. Full and by Quantity and water 26 Long swell from S.E.

Signed D. O Jewett
Master

From 8 P.M. to Midnight Overcast and cloudy Stiff to very fresh winds from N.E. and E.N.E. Steering in puffs Received 2 Bags. Long swell from S.E. Quantity and water 26. At 10 took in fore topsail

Signed Samuel C. Lemby
Purser

Moored Pleasant Quot. for Hour 786

Examined and found to be correct.

Signed Chas Walker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Leeway.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky: in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	11	SE by S	N. E.	4.8		30.03	69	67	67	76	o.c.	Cirro Strati	0.	M	
2	4	6	"	"	5.4		30.02	69	67	67	70	o.c.	"	0	"	
3	4	6	"	"	5.6		30.02	69	67	67	70	o.c.	"	0	"	
4	4	0	SE by S	E by N. E.	5.7		30.00	69	67	67	70	o.c.	"	0	"	
5	4	6	SE by E	E. by N.	5.6		29.98	69	67	67	69	o.g.c.	"	1	"	
6	4	2	"	"	5.6		29.98	68	67	67	69	"	"	0	"	
7	5	0	SbyE1/2E	E	5.6		29.98	68	67	67	69	"	"	0	"	
8	5	8	SbyE1/2E	"	5.6		30.01	68	67	67	69	"	"	0	"	
9	7		SbyE1/4E	"	5.7		30.01	68	67	67	68	"	"	0	"	
10	7		"	"	5.7		30.00	68	67	67	68	o.g.	"	0	"	
11	6	2	SSE	"	4.6		30.00	68	66	66	68	"	"	0	"	
Noon.	4	8	SE1/2S	E. N. E.	4.6		30.00	68	66	66	68	o.g.	"	0	"	

Lat 28° 14' S. Long 45° 8' W. Pg. 615

Distance run by Log since preceding Noon 120 knots 8 tenths fathoms.

Latitude by D. R. at Noon South 28. 31. "

Longitude by D. R. at Noon West 39. 41. "

Latitude by Observations at Noon ⊙ . . "

Longitude by Chronometer from Forenoon Observations ⊙ West 40. . "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise . . "

Variation of the Compass by Azimuth ⊙ observed at . . "

Water expended during the preceding 24 hours 230 gallons.

Pg. 616 Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1420 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Leeway.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky: in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	5	5	SSE1/2E	E. N. E.	4.8		30.00	68	66	66	68	o.g.	Cir Cirro Strati	0	M	
2	6	6	SE by S	"	4.8		29.95	69	67	67	68	"	"	0	"	
3	6	7	"	"	4		29.94	69	67	67	68	o.c.g.	"	0	"	
4	5		SE by S	E by N	4		29.94	69	67	67	68	"	"	0	"	
5	4	5	SE1/2E	"	5		29.94	68	67	67	68	"	"	0	"	
6	4	5	SE by S	"	5		29.94	68	67	67	68	"	"	0	"	
7	5	5	SSE1/4E	"	5.3		29.97	68	67	67	68	"	"	0	"	
8	1	6	"	"	5		29.97	68	67	67	68	"	"	0	"	
9	1	5	SE1/2S	E. N. E.	3.3		30.00	68	67	67	68	"	"	0	"	
10	1		"	"	2.9		30.00	68	67	67	68	"	"	0	"	
11	1		SSE1/4S	"	2.9		29.96	68	67	67	68	o.c.	"	0	"	
Mid.	1		SE by S	"	2.8		29.96	68	67	67	68	"	"	0	"	

Lat 27° 50' S. Long 43° 39' W.

Longitude by Chronometer from Afternoon Observations ⊙ . . "

Longitude by Chronometer from Observations * . . "

Variation of the Compass by Amplitude observed at Sunset . . "

Variation of the Compass by at . . "

under the command of Commander W. Scott Schley, U. S. Navy,

Wednesday September 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and with 4 AM Overcast Forgling rain greater part of watch Wind Variable in gusts moderate to fresh from N E Sea moderate Latitude 26.

Signed G. S. T. Moore
Ensign

From 4 to 8 A.M. Cloudy Squally Stiff breeze with fresh gusts from E by N & E Bar rising Sea moderate Ship under single reefed topsails Bar Sand in sight at ends of watch Latitude 26

Signed G. W. Carter
Lieut

From 8 A.M. to Meridt Overcast Squally and rainy. Wind Kinds clouds Stiff to very fresh winds from E by N At 8.0 shook reefs out of topsails and set T.G. sails and gaff topsails At 9.15 mustered at quarters At 10.45 took in T.G. sails and gaff topsails At 11.45 set T.G. Sails Sand in sight at ends of watch on both bows Tides by Log. Latitude 26

Signed W. P. Jarrett
Master

From Meridt to 4 P.M. Overcast and Hazy Moderate to fresh breeze from E.N.E with occasional squalls and rainy squalls latter part of watch weather moderate At 1.15 set gaff topsails At 2.30 set royals and flying jib Latitude 26

Signed Jno. C. Healy
Ensign

From 4 to 6 P.M. Overcast and disagreeable Bar steady Sea moderate Moderate to stiff breeze from E by N By order of Comdr Schley Pilot Ad was released from confinement and restored to duty At 5.40 took in and reefed topsails and took in royals At 5.55 mustered at quarters Latitude 26

Signed G. S. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and Threatening Forgling rain Wind moderate to stiff from E by N Bar rising Sea moderate At 7.10 took in T.G. Sails Latitude 26

Signed G. W. Carter
Lieut

From 8 P.M. to Midt Overcast Forgling rain Wind Kinds clouds Light breeze from E by N Ship under single reefed topsails courses jib F.T.M staysail and spanker Tides and Log Latitude 26

Signed W. P. Jarrett
Master

Moon Phase last qr. Lat 26°

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Fathoms (South)	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1	4	SSE 1/4 E	E by N	5.4		29.95	68	66	66	70	or	Cir Cumb Nimb	0	M	
2	1	4		"	4		29.92	68	66	66	70	ord	"	0	"	
3	1	2	SSE	"	5.6		29.88	68	66	66	70	orlw	"	0	"	
4	1	4	SSE 1/2 E	"	6.7		29.86	68	66	66	70	olw	"	0	"	
5	1	2	S	E SE E	6.7		29.86	67	66	66	68	"	"	0	"	
6	1	2	"	"	6.7		29.86	67	66	66	68	ow	"	0	"	
7	1	7	SbyW 1/2 W	SE by E	7.8		29.86	67	66	66	68	"	"	0	"	
8	1	0	Lying to	"	7.8		29.86	67	66	65	68	"	"	0	"	
9	1	5	WSW	E by S	6.8		29.86	67	65	65	67	"	"	0	"	
10	1	5	"	"	6.8		29.87	67	65	65	67	"	"	0	"	
11	1	5	"	"	6.8		29.88	67	66	66	67	odw	"	0	"	
Noon.	1	5	"	"	6.8		29.83	67	66	66	67	"	"	6	"	

Distance run by Log since preceding Noon — 60 knots 8 fathoms. (South)

Latitude by D. R. at Noon — South 29 · 18 · "

Longitude by D. R. at Noon — East 29 · 59 · "

Latitude by Observations at Noon ⊙ — · · "

Longitude by Chronometer from Forenoon Observations ⊙ — · · "

Sq. 616 Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — · · "

Variation of the Compass by Azimuth ⊙ observed at — · · "

Water expended during the preceding 24 hours — 240 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1180 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.																
1	1	0	WSW	"	6.8		29.83	67	66	65	67	odw	"	0	M	
2	1	0	"	"	6.8		29.80	67	66	65	67	or	"	0	"	
3	1	0	"	E	6.8		29.80	67	65	65	67	"	"	0	"	
4	1	0	"	"	4.6		29.82	67	65	65	67	"	"	0	"	
5	1	0	SbyE	"	4.6		29.84	67	65	65	68	"	"	0	"	
6	1	0	South	E SE E	4.6		29.84	67	65	65	68	"	"	0	"	
7	1	6	SbyW	"	4.6		29.87	66	65	65	68	"	"	0	"	
8	2	0	"	E by S	6.8		29.87	66	66	65	68	ow	"	6	"	
9	1	8	SWbyW	"	4.7		29.90	66	66	65	65	"	"	0	"	
10	1	0	"	"	4.7		29.91	66	65	65	68	"	"	6	"	
11	1	0	"	"	4.7		29.91	66	65	65	67	"	"	0	"	
Mid.	1	0	"	"	4.6		29.91	66	65	65	67	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ — · · "

Longitude by Chronometer from Observations * — · · "

Variation of the Compass by Amplitude observed at Sunset — · · "

Variation of the Compass by at — · · "

under the command of Commander H. Scott Schley, U. S. Navy,

Thursday September 26, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and with 4 P.M. Overcast and changeable Gentle to moderate breezes from E.S.E. and N.E. Latter part stiff to very fresh from same direction with very threatening appearance Frequent flashes of lightning from E.S.E. and E. At 8 Hauled up mainsail Hauled down and stowed jib Double reefed spanker Took second reef in topsails and Hauled up foresail Quantity 26.

Signed Saml. C. Lawley
Ensign

From 4 to 8 P.M. Overcast and rainy. Threatening weather Fresh breeze to moderate gale from E.S.E. to S.E. by E. Sea rough Sent down royal yards Furled courses At 7 took close reefs in topsails At 7.30 Hoisted foresail and mainsail and Hauled down jib Midshipmen Lying to on port tack Hoisted Head & Try Sr. Quantity 26

Signed C. E. T. Moore
Ensign

From 8 P.M. to Midnight Overcast Cloudy Occasional drizzling rain Blowing a moderate gale from E.S.E. Sea rough Ship under close reefed topsails foresail storm stay sail and storm trysail Quantity 26.

Signed C. F. Cantle
Lieut

From Midnight to 4 P.M. Overcast Cloudy. Blowing a moderate gale from E.S.E. Ship lying to on port tack on close reefed topsails foresail storm staysail and storm trysail Rainy with squalls Quantity 26 Navy. end

Signed A. P. Jewell
Master

From 4 to 6 P.M. Overcast and dungareed Moderate to fresh breeze from E. Occasional rain and with squalls Lying to. Caught and Quantity 26 Commenced distilling

Signed Saml. C. Lawley
Ensign

From 6 to 8 P.M. Overcast Squally and rainy Fresh breeze to moderate gale from E.S.E. Sea rough Ship rolling and pitching considerably at times Quantity 26. Distilling

Signed C. E. T. Moore
Ensign

From 8 P.M. to Midnight Cloudy and rainy. Winds fresh and squally from moderate to very fresh breeze Barometer rising Sea rough Ship rolling and pitching considerably At 10.30 Hauled up courses Ship under close reefs topsails foresail storm staysail and storm trysail Distilling Quantity 26

Signed C. F. Cantle
Lieut

Moored Steamed 1st gr. Used 2 gr

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	Tenths.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8		S S W	E S E	4.6		29.90	67	65	65	68	beg.	Cum Strat			Under close reefed topsails fore sail stay sails and storm trysails
2		Hazy	S W by W	S E	4.6		29.91	67	64	64	67	overcast	"	"		
3			S W		4.6		29.90	67	64	64	67	o'cast.	"			
4				S E by S	3.6		29.91	67	64	64	67	ovc.	"			
5		4			3.5		29.92	67	64	64	67	"	"			
6		4			3.4		29.92	67	64	64	67	"	"			Took in storm trysails set storm trysails and fore and mainsail
7		4	S W by S	S E	3.8		29.95	67	64	64	67	"	"			
8		4	S S W		3.8		29.95	67	64	64	67	"	"			
9	2	6	S by W	S E by E	4.6		29.95	65	63	63	67	"	"			Sounded
10	2	3	S W by W	E S E	4.6		30.00	65	64	64	68	"	"			Double reefed topsails courses fore & aft. Mainsail Spanker and storm staysails
11	2		S by W / 2 W	E by S	4.7		30.01	65	63	63	68	"	"			
Noon.	2		S W by S		4.7		30.00	65	63	63	68	"	"			

Distance run by Log since preceding Noon — 28 knots 9 tenths

Latitude by D. R. at Noon — South 29° 32' "

Longitude by D. R. at Noon — West 39° 52' "

Latitude by Observations at Noon ☉ — South 30° 25' "

Longitude by Chronometer from Forenoon Observations ☉ — West 41° 10' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise ° ' "

Sq. 604 Variation of the Compass by Azimuth ☉ observed at ° ' "

Water expended during the preceding 24 hours 200 gallons.

Water during the preceding 24 hours 500 "

Water remaining on hand fit for use at Noon 1358 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Tenths.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	3	5	S W by S	S E by E	4.6		30.00	65	63	62	66	o'cast	Cum Strat	0	R	Under double reefed topsails fore topmast staysails storm staysail and spanker Sounded down fore storm stays
2	3	5	S W by S	"	4.6		30.02	65	63	62	66	"	"	0	"	
3	3	6	S W by S		4.6		30.02	65	63	62	66	"	"	0	"	
4	3	6	S S W	S E	4.6		30.02	65	63	62	66	"	"	2	"	
5	4		S S W / 2 W		4.6		30.15	64	63	62	66	beg.	"	5	"	
6	3	8	S S W / W		4.7		30.18	64	63	62	66	bdy	"	5	"	
7	3	0	S by W	E S E	4.6		30.19	64	62	60	66	"	"	6	"	
8	3	2			4.6		30.19	64	62	60	66	"	"	6	"	
9	3	6			4.6		30.18	64	61	61	66	"	"	8	"	Sounded Double reefed Topsails Foresail & Mainsail and spanker
10	1	5			4.6		30.17	64	61	61	66	be	"	3	"	
11	1	1			4.5		30.17	64	61	61	66	"	"	5	"	
Mid.	0	8			4.5		30.15	64	61	61	66	"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy,

Friday, September 27, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Cloudy. Gusty showers first hour. Gentle to fresh breeze from E by S. to E by S. and fresh squalls. So ends. Heavy clouds. Ship under close reefed topsails for storm sails and storm trysail. Drifting to W.N.W. and N.W. Gusty 26 Fine Centaurs in two boilers. At eight fired 30 lbs. Dahlgren.

Signed A. P. Jewett
Master

From 4 to 8 A.M. Overcast. Wet and dreary weather. Gentle to fresh breeze from E.N.E. and E. Occasional rain squalls. At 6 stowed trysail. At 6.30 stowed trysail for and mainsail. At 7.40 shortened two reefs in foresail. Set F. T. M. staysail and sent down spencer. Saw Albatross and Cape Pigeons flying about ship. Gusty 26. Pitching.

Signed Chas. E. Lemly
Ensign

From 8 A.M. to Noon. Overcast rainy and disagreeable. Squally. Moderate breeze to moderate gale from E.S.E. to E by S. At 8.10 shook two reefs out of topsails. At 10.20 shook reef out of topsails set jib F. G. sails and spanker. At 11 carried away lee main top gallant sheet. Took in and furled F. G. sails. At 11.40 carried away weather main topsail sheet. Took two reefs in topsails and carried away weather main topsail reef tackle. Overhauled main topsail sheet. Passing off and reefing. Hauled down jib.

Signed C. E. P. Howe
Ensign

From Noon to 4 P.M. Weather misty wet and disagreeable. Strong gusts of water. Occasional rain squalls. Moderate to fresh breeze from S.E. by E. and S.E. Bar rising. Saw mast and rolling to W.N.W. Gusty 26. Pitching. Took off and mended topsail sheets.

Signed C. V. Gridley
Lieut.

From 4 to 6 P.M. Cloudy. Cool. Strong to very fresh winds from S.E. Saw N. with clouds. Ship full and by under double reefed topsails. Course S.W. by W. Staysail and spanker. At 5.55 mustered at quarters. Bar unsettled. Gusty 26. Fired contact for two boilers. At eleven fired 26 lbs. Dahlgren.

Signed A. P. Jewett
Master

From 6 to 8 P.M. Fair and pleasant. Moderate to very fresh winds from S.E. Considerable flying scud from S.E. and N.E. At 6.40 took in and stowed for storm staysail. Moon set at 9.40. Pitching. Gusty 26.

Signed Jas. E. Lemly
Ensign

From 8 P.M. to Midnight. Cloudy. Cool and pleasant. Moderate to fresh breeze from E.S.E. Sea rough. Bar commenced to fall. Last hour of watch. Ship rolling and pitching heavily at times. At 10. took in mainsail. Gusty 26. Pitching.

Signed C. E. P. Howe
Ensign

Moon rises 1st qr. Mid. D. 15°

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer Scott, 3rd Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Zenith Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, In 10ths.	State of the Sea.	Record of the mil the vessel is under at end of watch.
A. M.													Cs Cum Haze			
1	3	9	S S W	S E	3-4	1	30.15	64	61	60	65	bc		8	M	Took in foresail Hove ship
2	0	5	S by E		3-4	1	30.19	64	61	60	65	"	"	8	"	to N.E. and E.S.E. Set foresail
3	1	2	S by W	S E	3-4	1	30.11	63	61	60	65	bcfg	"	1	"	Set mainsail
4	1	9	W N W	S by E	3-4	1	30.11	63	61	60	65	bc	"	4	"	
5	1	0	by E	S S W	4	2 1/2	30.19	63	61	60	65	"	"	4	N	Shook out reefs in topsails
6	1	4	S E	S by W	4	2 1/2	30.19	63	61	60	65	"	"	4	"	Set T.G. sails and staysails
7	1	4	S by E		4-5	2	30.16	63	61	59	66	"	"	5	"	
8	3	4	S S E	South	4-6	2	30.16	62	61	59	66	"	"	6	"	
9	3	2	by E	S by E	4-5	1/2	30.20	62	61	60	66	"	"	6	"	
10	4	8	S E	South	4-5	1/2	30.20	62	61	60	66	"	"	6	"	Set royals flying jib and gaff topsails
11	4	2	S E by S	S by W	4-5	1/2	30.20	62	61	60	66	"	"	6	"	
Noon.	3	5			4	1/2	30.20	62	61	60	66	"	"	6	"	

Distance run by Log since preceding Noon 60 knots 5 ~~fathoms~~ tenths.

Latitude by D. R. at Noon South 31° 1' "

Longitude by D. R. at Noon West 34° 56' "

Latitude by Observations at Noon ⊙ South 30° 02' "

Longitude by Chronometer from Forenoon Observations ⊙ West 35° 10' "

Current during the time 0 knots 6 ~~miles~~ per hour, setting to the N W by W

Variation of the Compass by Amplitude ⊙ observed at Sunrise . . "

Variation of the Compass by Azimuth ⊙ observed at Dist S 30° 49' Brng W by N 45° E W 4° . . "

Water expended during the preceding 24 hours 280 gallons.

Water condensed during the preceding 24 hours 760 "

Water remaining on hand fit for use at Noon 1910 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	4	0	S S W	S by W	4-5	1/4	30.19	61	61	60	66	bcg	"	6	N	Dis T.G. Sls staysails T.G. sails to foresail Foreyard mainsail gaff topsail and shallow
2	4	2	S S E	South	4-5	1/4	30.18	62	61	60	66	bcfg	"	5	"	
# 3	3	4	by E 1/2 E	"	4-5	1/4	30.18	62	61	60	66	bcg	"	5	"	
4	4	2	S E 1/2 S	"	4		30.18	62	61	60	66	"	"	6	"	
5	5	6	S E 1/2 E	S S E	4		30.18	62	61	60	67	"	"	5	"	
6	5	0	S E 1/4 E	"	4-5		30.20	62	61	60	67	"	"	5	"	
7	4	4	S E	S by E	4-5		30.20	62	61	60	67	bc	"	5	"	
8	4	5	S by E	"	4-5		30.20	62	61	60	67	"	"	5	"	
9	4	6	S E by E	S S E	4-5		30.20	62	61	60	67	"	"	6	"	All plain sail to T.G. sails
10	4	0	S by E	"	4-5		30.20	62	60	60	67	"	"	6	"	
11	5		S E 1/2 E	"	4-5		30.20	62	60	60	67	"	"	6	"	
Mid.	5	6	S E 1/4 E	"	4-5		30.20	62	60	60	67	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ . . "

Longitude by Chronometer from Observations * . . "

Variation of the Compass by Amplitude observed at Sunset . . "

Variation of the Compass by at . . "

under the command of Commander W. Scott Schley, U. S. Navy,

Saturday September 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM Strong wind Squalls quite to moderate from NE by E & NE by E Barometer falling Moderate and calm to NW At 10 took in foresail At 2.45 wore ship to NW and SW Set foresail Density 26 Distilling Gradually about Foreign

Signed C. W. Curtis
Lieut

From 4 to 8 AM Clear Cool Pleasant Moderate to fresh breeze from NW by W Steering to N At 5 set mainsail At 7.15 shook reefs out of topsails and set T.G. sails and skysail At 7.45 crossed royal yards Hove overside from 1st and 2d Division 26 Fires banked in two boilers At steam pressure 25 lbs Distilling

Signed L. P. Jewett
Master

From 8 AM to Noon Clear and Pleasant Moderate to stiff breeze from N At 8 set royals flying jib and gaff topsail At 9 took in flying jib At 9.10 carried away fore royal backstay Set up same with fish tackle tackle also Employed in setting new main topsail shute At 9.35 set royals Fires banked in two boilers Distilling At steam pressure 25 lbs

Signed Jamb G. Daly
Ensign

From Noon to 4 PM Cloudy Cool Squally Moderate to stiff breeze from E by S to E Sea rough Hove overside from 1st Div. Starboard At 12.30 took in and furled royals also Hove overside main topsail shute Fires banked in two boilers Density 27 Distilling

Signed G. P. Moore
Ensign

From 4 to 6 PM Partially cloudy and Pleasant Quite breeze from E S E Barometer Hove overside from 1st Fires banked in two boilers Distilling Density 26

Signed C. W. Curtis
Lieut

From 6 to 8 PM Clear Cool Pleasant Moderate to stiff breeze from E by S Ship under all plain sail to T.G. sails Density 27 Fires banked in two boilers At steam pressure 20 lbs Distilling At 6 muster at quarters Full and by.

Signed L. P. Jewett
Master

From 8 PM to Mid Clear and Pleasant Moderate to stiff breeze from E S E Occasional light wind & squalls Full and by Distilling Density 26

Signed Jamb G. Daly
Ensign

Moored Yellowstone Dec 20°

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Under Fathoms.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	3	E S/4 N	S.S.E.	2-3	1/4	30.20	62	61	60	66	bcq	Cum. Nimb	7	S	Jib for Topmast staysail
2	3	8	E by N 1/2 N	S.E. by S	4-5	1/4	30.20	62	61	59	67	"	"	9	"	Royals course to fore gaff topsail and spanker
3	4	1	E S/4 N	"	4-5	1/4	30.17	62	60	59	67	"	"	9	"	
4	4	6	E by N 1/2 N	"	3-4		30.17	62	60	59	67	"	"	9	"	
5	3	4	E S/4 S	S.S.E.	3-4		30.17	62	60	58	67	bc	"	7	"	
6	3	5	E by N	S.E. by S	3-4		30.17	62	60	58	67	"	"	7	"	Came with royals and
7	4	0	"	"	3-4		30.18	62	61	59	67	"	"	7	"	flying jib
8	3	4	"	"	3		30.22	62	61	60	67	"	"	5	"	
9	2		"	"	2-3	1/2	30.23	63	61	60	67	"	"	6	"	
10	3	5	E S E 1/2 E	S	3-4	1/2	30.25	62	62	60	67	"	"	6	"	Took in royals and
11	3		E S/4 S	"	2-3	1/2	30.25	63	62	60	67	"	"	8	"	set main topsail
Noon.	2		E S E 1/2 E	"	2-3	1/2	30.25	62	62	60	67	"	"	8	"	

Lat. obs. 30°20'
Long. by D.R. 38°50'

Sg. 605

Distance run by Log since preceding Noon	95 knots	7	tenths ~~fathoms~~.
Latitude by D. R. at Noon	South	30 · 42 ·	"
Longitude by D. R. at Noon	West	38 · 18 ·	"
Latitude by Observations at Noon ⊙	South	30° 26' 25"	
Longitude by Chronometer from Forenoon Observations ⊙	West	35° 20	"
Current during the time 0 knots 6 tenths fms. per hour, setting to the N.			
Variation of the Compass by Amplitude ⊙ observed at Sunrise		·	' "
Variation of the Compass by Azimuth ⊙ observed at 8 AM Lat 30°26 Long W 35° 20'	W	4° 30'	· ' "
Water expended during the preceding 24 hours		230	gallons.
Water condensed during the preceding 24 hours		320	"
Water remaining on hand fit for use at Noon		2500	"
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon		"	"

P. M.															
1	1	6	E E S E 1/2 E	S.	2		30.25	62	61	60	67	bcq	Cum Nimb	8	S	Set remaining tops'ls
2	2	6	E E S E	"	2		30.23	62	61	60	67	"	"	8	"	Royals Jib sail Mizzen topsail and stowed fly jib
3	3	6	"	"	2-3		30.22	62	61	60	67	bcq.	"	8	"	
4	5	6	"	"	4-5		30.22	62	60	59	67	"	"	2	"	
5	4	0	S E by E S S W		4-5		30.21	63	59	58	66	bcq	"	1	"	
6	4		E by N 1/2 S E by S		3-4		30.21	64	60	58	66	bc	"	1	"	
7	5	2	E N E 1/4 E	"	3-4		30.21	64	60	58	66	"	"	4	"	
8	6	6	E N E 1/2 E	"	2-3		30.21	64	60	58	66	"	"	4	"	
9	5	2	E S/4 N	"	4-5		30.21	63	60	58	66	"	"	7	"	
10	5		E by N	"	4-5		30.20	63	60	58	67	bcq	"	6	"	Hauled aft flying sail
11	4	6	E N E 3/4 E	"	4-5		30.20	63	60	58	67	"	"	6	"	to 2d reefs
Mid.	3	0	E N E 1/2 E	"	3-4		30.20	63	60	58	67	"	"	4	"	

Lat. obs. 30°15'
Long W 35°40'

Longitude by Chronometer from Afternoon Observations ⊙		·	' "
Longitude by Chronometer from Observations *		·	' "
Variation of the Compass by Amplitude observed at Sunset		·	' "
Variation of the Compass by at		·	' "

under the command of Commander W. Scott Schley, U. S. Navy,

Sunday September 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Clear Cool Pleasant Gentle to stiff breeze from S.S.E. to S.E. by E. Low moderate Long swell from S.E. Bar filling slowly At 1 took in T.G. sails to a squall and set at 1.8 Fires banked in two boilers Distilling Quantity 27

Signed G. P. Moore
Ensign

From 4 to 8 A.M. Partially cloudy Cool Pleasant Gentle to moderate breeze from S.S.E. to S.E. by S. Bar rising Long swell from S and S.W. At 7.30 set royals and flying jib. Fires banked in two boilers Distilling Quantity 27

Signed C.H. Curtis
Lieut

From 8 A.M. to Noon Clear Cool Pleasant Gentle to light breeze Sir Isaac cloudy At 8 h 15 m took in main sail set main try sail At 9.30 Cavalry Officer inspected ship and crew at quarters Called all hands to muster and read Inspector's Long swell from S.S.E. and S.W. Quantity 27 Ship under all plain sail main try sail mizzen staysail Full and by. As steam-pipes froze Distilling

Signed L.D. Jewett
Master

From Noon to 4 P.M. Clear and pleasant Light breeze from S. Occasional passing showers latter part of watch moderate to stiff At 1 hauled up main try sail and set main sail At 2.30 furled royals hauled down and stowed flying jib to a stiff white squall Full and by Quantity 27 Distilling

Signed James B. Lindley
Ensign

From 4 to 6 P.M. Cloudy Cool Passing showers of rain first hour of watch Gentle to stiff breeze from S.S.W. to S.S.E. by E. Low moderate Long heavy swell from S.E. Ship pitching heavily at times Quantity 27 Fires banked in two boilers Distilling

Signed G. P. Moore
Ensign

From 6 to 8 P.M. Partially cloudy Cool Pleasant Wind moderate to N.E. by E. Bar steady Long swell from S.E. Ship rolling and pitching easily Fires banked in two boilers Distilling Quantity 27

Signed C.H. Curtis
Lieut

From 8 P.M. to Mid. Clear Cool Gentle to fresh breeze from S.E. by E. to S.E. by S. Blowing in squalls Sir Isaac cloudy Under all plain sail to T.G. sails Full and by Fires banked in two boilers As steam 20 lbs Distilling Quantity 27 Long swell from S and S.E.

Signed L.D. Jewett
Master

Moore Shaved 1st qr Dec F. 24°

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making Passages from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Leeway. Points.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	4	East	S.S.E	3	1/4	30.20	62	58	58	65	beg	Cirrus	8	S	
2	5	0		S.	3	1/4	30.23	62	58	58	65	"	"	8	"	
3	4	4	E.S.E	"	4	1/4	30.20	61	58	58	65	"	"	8	"	
4	5	0	E by S	S by W	4	1/4	30.20	61	58	58	65	"	"	8	"	
5	6	3	E by S	"	4	0	30.20	61	59	59	65	"	"	1	"	
6	6	6	E by S 1/2 S	"	5	1/4	30.20	61	59	59	66	"	"	3	"	
7	5	5	E.S.	S.S.W	5	1/4	30.22	61	59	59	66	"	"	5	"	
8	3	8	E.S.E 1/4 E	"	4	1/4	30.24	61	59	58	66	"	"	7	"	
9	5	6	E.S.E	S	4		30.24	61	59	57	66	"	"	7	"	
10	6	0	E.S.E 3/4 E	S by E	4		30.27	61	60	57	66	"	"	4	"	
11	6	5	E by S	S.S.E	4		30.27	61	60	58	66	beg	"	4	"	
Noon.	5	8	E	"	4		30.27	61	60	58	66	"	"	4	"	

Distance run by Log since preceding Noon 114 knots 6 tenths fathoms.

Latitude by D. R. at Noon South 30. 32. "

Longitude by D. R. at Noon West 36. 16. "

Latitude by Observations at Noon ⊙ South 30. 18. 30. "

Longitude by Chronometer from Forenoon Observations ⊙ West 36. 27. "

Current during the time knots 6 tenths fms. per hour, setting to the N. W by N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise . . "

Variation of the Compass by Azimuth ⊙ observed at S.S.W Lat 30. 20. S. Long 36. 02. W. W 4. 30. "

Water expended during the preceding 24 hours 216 gallons.

Water during the preceding 24 hours 300 "

Water remaining on hand fit for use at Noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	7		E 1/4 S	"	4	1/2	30.23	61	60	58	66	"	"	6	S	
2	4	5	E 1/2 N	"	5	1/2	30.22	61	60	58	66	beg	"	7	"	
3	6	5	E 3/4 N	"	5	1/2	30.22	61	60	58	66	beg	"	6	"	
4	6		E 1/2 N	"	4	1/2	30.22	61	60	58	66	beg	"	7	"	
5	6		E by N	S.E by E	4	1/2	30.22	61	60	58	66	"	"	7	"	
6	6	6	"	"	5	1/2	30.22	61	60	58	66	"	"	7	"	
7	2	5	E by S	S by E	3	1/2	30.25	61	60	58	66	"	"	5	"	
8	2	2	E 1/2 S	"	3	1/2	30.29	61	60	58	66	"	"	6	"	
9	2	5	"	"	3	1/2	30.27	62	60	58	66	"	"	6	"	
10	2	2	E 1/2 N	S.S.E	3		30.27	62	59	58	66	"	"	5	"	
11	3	5	E	"	3		30.27	62	59	58	66	"	"	6	"	
Mid.	4		E 1/2 N	"	3		30.27	62	59	58	66	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ . . "

Longitude by Chronometer from Observations * . . "

Variation of the Compass by Amplitude observed at Sunset . . "

Variation of the Compass by at . . "

under the command of Commander W. Scott Schley, U. S. Navy,

Monday September 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Cool Pleasant Gentle to stiff breeze from S.W. and W. unsteady Steering in puffs At 4 hauled from Hospital to Rolling Anchor Signal Sergt. Jas. C. Lemly Ensign

From 4 to 8 A.M. Cloudy and Pleasant Moderate breeze fresh squalls from S.W. by W. and S.W. by W. Sea moderate Long swell from S.E. Ship pitching Unsteady at times Sea running slowly At 5.30 took in T.G. sails and gaff topsails Anchor 27. At 8 set T.G. sails and gaff topsails Signal Sergt. G. W. Moore Ensign

From 8 A.M. to Noon Partially cloudy Cool Squally heavy Gulf of water Wind moderate to fresh from S.S.E. Long swell setting to N.E. Sea rising At 9.15 hove to at quarter & sounded at 9 at 2nd cast 2nd section in regular rotation At 11.30 took in T.G. sails to a squall At 11.45 set T.G. sails Anchor 26. Signal Sergt. C. F. Curtis Lieut.

From Noon to 4 P.M. Clear Cool Pleasant Moderate to fresh breeze from S.S.E. Hauling in squalls At 12.10 took in T.G. sails to a squall At 2.30 set T.G. sails Long swell from S.E. Ship under all plain T.G. sails At 12.40 Chronometer came to S.B. Pulled and Key Broke bar and fast surgeon steering and keeping Signal Sergt. E. D. Smith Master

From 4 to 6 P.M. Clear and Pleasant Moderate to stiff breeze from S.S.E. At 5.30 set surgeon steering At 5.50 took in surgeon steering Moderate sea Under all plain sails to T.G. sails Pulled and Key Anchor 26 Signal Sergt. Jas. C. Lemly Ensign

From 6 to 8 P.M. Cloudy and Pleasant Gentle to stiff breeze from S.S.E. Bar cloudy Sea moderate Swell from S.E. At 6.40 took in T.G. sails and took single reefs in topsails At 6.10 moored at quarters Anchor 26 Signal Sergt. C. F. Moore Ensign

From 8 P.M. to Mid. Partially cloudy Cool Moderate breeze from S.S.E. to S.S.E. Bar falling slowly Sea moderate Ship under single reefed topsails Furled T.G. sails jib and spanker Anchor 26. Signal Sergt. A. Marbe Lieut.

Moored Chain 1 at 90 Fms 26

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Sloop Erie, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Leeway. Fathoms.	Courses steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. sp'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	5	E by S 1/2 S.	S by E	4-6	1/2	30.25	61	60	58	66	beg	Cr Cirro	9	N	Under single reefed topsails
2	3	8	E by S	"	4-6	1/2	30.25	61	60	58	66	"	"	8	"	Course fit 7 P.M. steering sail
3	3	2	E by S	"	4-6	1/2	30.20	61	60	58	66	"	"	7	"	and Spanker
4	2	5	E by S	"	4-6	1/2	30.20	61	60	58	66	"	"	7	"	
5	2	2	East	S.S.E	2-3		30.20	61	58	58	66	"	"	7	"	
6	2	0	E by S.	S by E	2-3		30.20	61	60	58	66	"	"	7	"	Shoots away out of log
7	3	8	E by S 1/2 S	S by E	3-5		30.25	61	60	58	66	bc	"	8	"	Set P.S. sails
8	4	8	E 1/2 N	S.S.E	4-5		30.25	61	60	58	67	"	"	8	"	
9	4	5	E 1/4 N	"	3-5		30.25	61	60	58	67	"	"	8	"	
10	3	6	E	"	3-4		30.25	61	60	58	67	"	"	7	"	
11	4	5	E by N	"	4		30.29	61	61	58	67	"	"	7	"	All Yards paid
Noon.	4	8	E by N 3/4 N	S E by E	4		30.23	61	61	58	67	"	"	6	"	to P.S. sails

Distance run by Log since preceding Noon 96 knots 1 Cable fathoms.

Latitude by D. R. at Noon South 29 · 58 · "

Longitude by D. R. at Noon West 34 · 39 · "

Latitude by Observations at Noon ⊙ South 29 · 39 · 45"

Longitude by Chronometer from Forenoon Observations ⊙ West 34 · 42 · 30"

Current during the time knots 8 Cable fms. per hour, setting to the N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise . , "

Variation of the Compass by Azimuth ⊙ observed at Sat N by Lat S 29° 45' West 7 · 15 · "

Water expended during the preceding 24 hours 216 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2884 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Leeway. Fathoms.	Courses steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. sp'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	4	5	E by N	S E by S	4		30.32	61	62	60	68	bc	Cr Cirro Mixed	5	M	
2	4	8 1/2	E	S E	4		30.32	62	62	60	68	"	"	5	"	Under all Yards
3	3	4	N by E	S	4-5		30.20	63	62	60	68	"	"	6	"	Sails to P.S. sails
4	6		N E by N 1/2 N	"	4-5		30.20	63	61	59	68	"	"	3	"	
5	5		N E	"	4-5	1/4	30.18	63	61	59	69	"	"	4	"	
6	4		N E N	"	3-5	1/4	30.18	63	61	59	69	beg	"	3	"	
7	4		N by N 1/2 N	S by E	3-5		30.20	63	61	59	67	0	"	0	"	Same
8	4	4	"	"	3-5		30.20	63	61	59	67	0	"	0	"	
9	4	3	N by N	"	4-5		30.20	63	61	59	67	bc	"	4	"	
10	3	5	N by E	S E by S	3-4		30.20	63	61	59	67	"	"	4	"	
11	3	5	"	"	3		30.20	63	61	59	67	"	"	3	"	
Mid.	3	5	N by E	S E	3		30.20	63	61	59	67	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ . , "

Longitude by Chronometer from Observations * . , "

Variation of the Compass by Amplitude observed at Sunset . , "

Variation of the Compass by at . , "

under the command of Commander H. Scott Schley, U. S. Navy,

Tuesday October 25th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Clear Cool Moderate to fresh breeze from E by E Hauling in guests Sea Aws Most Cloudy Bright Starlight Pulls and by under steam refitted cutter Jos from Lafayette and 2 quarter Ensigns all from 2d and 1st Divisions 26

Signed H. P. Jewett
Master

From 4 to 8 A.M. Clear and Pleasant Light to stiff breeze from 2d and 1st Hauling in guests Steady and came during first part of watch At 7.30 Shook reefs out of topsails and set T.G. sails Pulls absent by Divisions 26

Signed Jas. C. Hunter
Ensign

From 8 to Noon Clear and Pleasant Gentle to stiff breeze from NE to E by E Ran steady Ensigns all from 2d At 9 AM mustered at quarters Exercised Cutlass A.M. and Marine Guard at Small arms By order of Commr Jas H. Hunter 1st Lieut Wallach Ensigns Lawrence 2d to 1st M. Morgan Jr H. Scott and John B. Hood to Constitution James Gillespie and H. B. Hagner to Castine Afterguard from this duty inclusive Divisions 26

Signed C. P. Moore
Ensign

From Noon to 4 P.M. Partially cloudy Cool Hazy moderate to fresh from E by E and E Ran Sailing steady Sea moderate sailing to N.E. and E At 2 tacked ship carried away fore top gallant shroud Divisions 26

Signed C. V. Gridley
Lieut.

From 4 to 6 P.M. Cloudy Cool Fair Squalls clouded Gentle to stiff breeze Squalls Hazy clouds Passing showers first hour Ships full and by under all plain sail to T.G. sails Divisions 26 Ran easy from 2d and 1st At 6 mustered at quarters Ran steady

Signed H. P. Jewett
Master

From 6 to 8 P.M. Overcast Pleasant Gentle to stiff breeze from E by E Ships full and by under all plain sail to T.G. sails Divisions 26

Signed Jas. H. Hunter
Ensign

From 8 P.M. to Noon Cloudy Pleasant Gentle to stiff breeze from E by E to E.S.E. Ran easy from 2d and 1st Ran steady Divisions 26

Signed C. P. Moore
Ensign

Moored Schley 1st qr Dec 27°

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the United States Steamer "Essex", 3 Rate, 6 Guns,

Making Passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Leadline Fathoms.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 16ths.	State of the Sea.	Record of the mile the vessel is under at end of watch.
A. M.																
1	4		SSE½E	SSW	4	½	30.23	63	60	58	67	bS	Cirro Strat	2	M	
2	4	5	SSE½E		4	½	30.22	63	60	58	67	"	"	2	"	Under all Plain sail to T.G. sail
3	4	0	SSE½E		3-4	½	30.22	62	60	58	67	"	"	1	"	
4	5		SSE½E	SW	4		30.22	62	60	58	67	"	"	2	"	
5	4	6	SSE½E	SSW	4		30.20	62	61	59	67	"	"	2	"	
6	5		SSE½E		4		30.23	62	61	59	67	"	"	1	"	
7	5	2	SSE½E		4		30.21	62	61	59	67	"	"	1	"	
#8	4	6		SW	4		30.22	62	61	59	67	"	"	2	"	
9	5	2	SSE½E		4		30.25	64	62	60	66	"	"	2	"	
10	3	6	S	SW	3-4		30.28	64	63	60	66	"	"	6	"	Set royals and Studd sail down Flying jib
11	4	0			3-4		30.25	64	63	60	66	"	"	6	"	
Noon.	4	6			3-4		30.28	64	63	60	66	"	"	6	"	

Distance run by Log since preceding Noon — 94 knots 4 fathoms.

Latitude by D. R. at Noon — South 30 ° 50 ' 40"

Longitude by D. R. at Noon — West 35 ° 17 ' "

Latitude by Observations at Noon ⊙ — South 30 ° 44 ' "

Longitude by Chronometer from Forenoon Observations ⊙ — West 35 ° 25 ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 216 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2168 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	4	5	SSE	E by S	4		30.25	64	63	59	66	"	"	6	N	Under all Plain sail and
2	5	5		"	4		30.25	64	63	59	66	"	"	6	"	
3	6	0		"	5		30.23	64	63	59	66	"	"	7	"	
4	5	8	SSE½E	"	5		30.23	64	62	59	66	"	"	7	"	Same
5	6	0	SSE	East	5		30.23	66	62	59	66	"	"	2	"	
6	5	5	SSE	E by N	5		30.23	66	62	59	66	"	"	3	"	
7	5	8	"	"	5		30.23	65	62	59	66	"	"	4	"	
#8	5	8	"		5		30.23	66	62	59	66	"	"	6	"	Took in royals and
9	5	2	"	"	5		30.25	65	62	59	66	"	"	3	"	
10	6	2	SSE½E	N by E	4		30.25	65	62	59	66	"	"	4	"	
11	5	6	"	"	4		30.27	65	62	59	66	"	"	2	"	
Mid.	5	6	"	"	5		30.27	65	62	59	66	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy,

Wednesday October 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 A.M. Cloudy Cool Fresh moderate with fresh puffs from E.S.E. & E. Bar falling cloudy Sea moderate sailing to N.E. and E.N.E. Dewerly 26

Sigd. C.F. Curtis
Lieut

From 8 to 8 A.M. Cloudy Cool Moderate to stiff breeze from E.S.E. & E. Cum Strat clouds Ship under all plain sail to S.E. and E. Pulled and hauled Long swell from S.E. and E.N.E. Dewerly 26

Sigd. L.P. Jewett
Master

From 8 A.M. to Midn. Clear and Pleasant Gentle to stiff breeze from S.E. and E.S.E. Cir Cum Strat clouds At 10.10 set royals and flying jib At 9.20 Sunset down and stowed flying jib Pulled and hauled Dewerly 27 At 9.15 unperceptible A.M. quarter

Sigd. Jas. G. Greely
Ensign

From Midn. to 4 A.M. Cloudy and Pleasant Moderate to stiff breeze from E.S.E. Long swell from S.E. and E.N.E. Ship under all plain sail except flying jib Dewerly 27

Sigd. C.E.T. Moore
Ensign

From 4 to 6 A.M. Cloudy Pleasant Stiff breeze from E. and E.S.E. & E. Bar steady Long swell from S.E. and E.N.E. Ship under all plain sail except flying jib Dewerly 27

Sigd. C.F. Curtis
Lieut

From 6 to 8 A.M. Cloudy Cool Pleasant Moderate to stiff breeze from E.S.E. & E. At 6.10 unmoored at quarters At 6.20 took in and furled royals Ship under all plain sail to N.E. and E. Ground S.E. & E. Long swell from S.E. and E.N.E. Dewerly 27

Sigd. L.P. Jewett
Master

From 8 A.M. to Midn. Clear and Pleasant Moderate to stiff breeze from S.E. and E.S.E. Cir Cum Clouds Partially overcast latter part of watch Ground S.E. 1/2 E. Dewerly 27

Sigd. Jas. G. Greely
Ensign

Moored Fleet 1st qr. Dec. 26°

Examined and found to be correct.

Sigd. Ben Walker
Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making Passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	South Preference	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	8	SE/S	N E	4.6		30.24	63	62	60	66	b	Cum Nim	0	N	Under all plain
2	6	0	"	N E by E	4.5		30.23	63	62	60	66	"	"	0	"	pick up D. Grails
3	6	6	"	"	4.6		30.20	63	62	59	66	"	"	0	"	
4	6		"	"	4.6		30.20	63	62	59	66	"	"	0	"	
5	6		"	"	4.6		30.20	63	62	59	66	"	"	0	"	
6	6		"	"	4.6		30.20	63	62	59	66	"	"	0	"	
7	7	8	"	"	5.7		30.21	63	62	59	66	"	"	0	"	Saw B.
8	7	2	"	"	5.7		30.23	63	62	59	66	"	"	0	"	
9	7	4	"	"	5.6		30.24	64	62	59	66	bc	"	1	"	
10	7	5	"	"	5.6		30.24	64	63	59	66	"	"	2	"	Set main top mast stays
11	8	8	"	"	5.7		30.22	64	63	60	66	"	"	8	"	and swayed stay sails
Noon.	7	8	"	"	5.7		30.22	64	63	60	66	"	"	7	"	

Distance run by Log since preceding Noon 147 knots 8 tenths allowance.

Latitude by D. R. at Noon South 32.21. "

Longitude by D. R. at Noon E 32.30. "

Latitude by Observations at Noon ⊙ S 32.28.30"

Longitude by Chronometer from Forenoon Observations ⊙ E 32.30.30"

Current during the time knots 8 tenths per hour, setting to the N 2° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 216 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1932 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	6	8	SE 1/2 S	N E	6.7		30.20	64	63	60	65	bc	"	2	N	Set royals Took in
2	9	6	"	"	6.7		30.19	64	63	60	64	"	"	3	"	royals
3	10	0	"	N E by N	6.7		30.17	64	63	60	64	"	"	4	"	
4	9	4	"	"	6.7		30.17	64	60	60	63	"	"	3	"	
5	9	2	"	"	6.7		30.14	64	62	60	65	"	"	1	"	All plain sail
6	9	7	SE	"	6.7		30.14	64	62	60	65	"	"	1	"	made reefed top
7	8	0	SE 1/2 E	"	6.7		30.14	65	61	60	65	0	"	0	"	mast D. Grails
8	9	2	"	"	6.7		30.14	65	61	59	65	"	"	0	"	
9	9	7	"	"	6.7		30.13	64	61	59	63	"	"	6	"	Took in D. Grails
10	9	3	"	"	5.7		30.13	64	61	59	61	"	"	0	"	and Shifted
11	8	8	"	N N E	6.7		30.10	64	61	59	61	"	"	0	"	
Mid.	6	8	E by S	"	5.8		30.06	63	61	59	61	"	"	0	"	Took second reef in topsails

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. Scott Schley, U. S. Navy,

Thursday October 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and unbitted at 4 A.M. Overcast and Pleasant Moderate to fresh breez from N.E. to N.E by E. Sea smooth Bar falling slowly. At 4.40 took in D. Gaff and mast them at 8 Dwelly 26

Signed C. H. Morris
Ensign

From 4 to 8 A.M. Cloudy Cool Moderate to stiff winds with occasional squalls from N.E by E. Bar rising Sea smooth Ship under all plain sails to D. Gaff Dwelly 26

Signed C. H. Curtis
Lieut

From 8 A.M to Meridd Cloudy first Part Clear and Pleasant remainder of watch Cor Cam Hunt cloudy Moderate to very fresh breez from S.E by E. At 9.15 was visited at Quarter exercise by Capt A at 9 o'clock Set Sail and Furl mains to Fore staysail At 10.0 set mains to Fore staysail At 10.20 Hauled down mains to Fore staysail set up stay and rat it Ship under all plain sails to D. Gaff mains to Fore staysail and Jigger staysails Pr course S.E 1/2 E Dwelly 26.

Signed L. P. Jewett
Master

From Meridd to 4 P.M. Clear Pleasant Cum Strus cloudy Fresh to very fresh breez from S.E At 12.15 changed course to E.S.E. At 1 set royals At 1.40 furled royals Pr course S.E. Ship under all plain sails to D. Gaff mains to Fore and Jigger staysails Moderate and Dwelly 26

Signed Sam C. Lemly
Ensign

From 4 to 6 P.M. Cloudy Pleasant Fresh to very fresh breez from S.E by E Ship on course S.E. Under all plain sails to D. Gaff with mains to Fore staysail Dwelly 26 Sea smooth

Signed C. F. Moore
Ensign

From 6 to 8 P.M. Cloudy Cool Very fresh breez from N.E by E Bar cloudy Sea moderate At 6 called all hands reefed topsails clewed up D. Gaff took on reefed topsails and set D. Gaff Took in mains to Fore staysail and gaff topsails Steamed course to E.S.E 1/2 E. Dwelly 26

Signed C. H. Curtis
Lieut

From

From 8 P.M to Mid Overcast Cloudy Very fresh winds from E.S.E and E by S Hauling to squalls At 9.30 took in D. Gaff At 9.40 took in Spanker At 11.30 clewed down topsails and took second reefs hauled down jib Dwelly 26 Ship under reefed topsails course and fore Fore staysail Sea rough Bar falling

Signed L. P. Jewett
Master

Moore Pleased 2nd gr. Dec. 240

Examined and found to be correct.

Signed Ard Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", a 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Leeway. Points.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. attd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	9		SE by E	NNW	8		30.06	64	60	59	63	0	Cu Cum Humb	0	H	Double reefed topsails
2	9		"	"	8		30.03	64	60	59	63	"	"	0	"	foresail mainsail and
3	9		"	"	8		30.02	64	60	59	63	"	"	0	"	P. & M. Staysails
4	8	8	"	"	8		30.00	64	60	59	63	"	"	0	"	
5	8	8	"	"	7-8		29.98	63	62	60	61	"	"	0	"	
6	8	6	"	"	7-8		29.98	63	62	60	61	"	"	0	"	S.S.W. staysail courses
7	8	6	"	"	7-8		29.99	63	62	60	61	"	"	0	"	single reefed topsails
8	9	5	"	"	7-8		29.99	63	62	60	60	"	"	0	"	S.S.W. sails
9	9	5	"	"	7-8		29.97	64	61	60	60	"	"	0	"	
10	9	4	"	"	7-8		29.96	64	61	60	60	"	"	0	"	
11	9	8	"	"	7-8		29.95	64	61	60	61	"	"	0	"	
Noon.	8	0	"	"	7-8		29.95	64	61	60	61	"	"	0	"	Same

Distance run by Log since preceding Noon	217 knots 4 tenths fathoms.
Latitude by D. R. at Noon	South 34° 34' 30"
Longitude by D. R. at Noon	West 30° 18' 30"
Latitude by Observations at Noon ⊙	° ' "
Longitude by Chronometer from Forenoon Observations ⊙	West 30° 22' "
Current during the time knots fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at	° ' "
Water expended during the preceding 24 hours	216 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	1756 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

P. M.															
1	10	7	SE by E	N	7-8	29.92	63	61	60	60	Or	"	0	R	
2	10	7	"	"	7-8	29.88	63	60	59	60	"	"	0	"	
3	10	0	"	"	7-8	29.85	63	59	59	60	"	"	0	"	Close reefed foresail and
4	9	5	"	"	7-8	29.80	63	59	58	60	"	"	0	"	topsails set reefed P
5	9	4	"	"	8	29.82	63	59	61	60	"	"	0	"	fore storm staysl
6	8	0	E by S	"	8	29.78	62	59	60	60	"	"	0	"	
7	6	8	NE by E	"	8	29.78	62	59	60	60	Or 6	"	0	"	
8	7	8	"	"	8	29.78	62	60	60	60	"	"	0	"	
9	8	6	"	"	8	29.77	62	60	60	60	"	"	0	"	Close reefed fore & main
10	8	6	"	N by W	8-9	29.75	62	60	60	60	"	"	0	"	topsails furled fore
11	9		"	"	8-9	29.74	62	62	60	60	"	"	0	"	top mast hove ship to
Mid.	8		"	"	8-10	29.70	62	63	60	60	"	"	0	"	under Close reefed main
															topsail mizzen storm
															main storm mizzen
															stay sails

Longitude by Chronometer from Afternoon Observations ⊙	° ' "
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander W. Scott Schley, U. S. Navy,

Friday October 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended as follows Overcast Moderate gale from Ast and Sly Ship laboring considerably &c Course SE½E Cruising as before Crew employed at their usual duties Ditto 26

Signed Saml G Comly
Ensign

From 4 to 8 A.M. Overcast Cool Very fresh breeze to moderate gale from N Cum Saint clouds Sea rough & Ship rolling and pitching heavily At 7. O Shot one reef out of topsails and set J Sails Ditto 26

Signed C.B.T. Moore
Ensign

From 8 A.M. to Noon Cloudy Disagreeable Drizzling rain Lost sight of shore Very fresh breeze from N Barometer falling Sea moderate At 9. O Exercised at fire quarters Ditto 26

Signed C.F. Curtis
Lieut

From Noon to 4 P.M. Overcast Rainy Moderate gale from Nly Cum Saint Clouds At 2 Changed course to SE by E At 2.30 Hauled down main topmast Staysail At 3. O took in J Sails and set down reef in Mizzen At 3.30 Hauled down fit Ship under Double reefed topsails Courses and fore topmast Staysail Sea rough Ditto 26 Bar falling

Signed L.C. Jewett
Master

From 4 to 8 P.M. Overcast disagreeable and threatening Moderate gale from Nly Drizzling rain Ranges not Rolling heavily At 5 took close reef in topsails and foresail Furled main staysail Hauled down and stowed F.T. Staysail Set J Jib Staysail Set reefed Mizzen Trysail At 5 Changed course to E by S to assist in raising Atl 6 as ordered SE by E Ditto 26 Bar. falling steadily

Signed Saml G Comly
Ensign

From 8 to 12 P.M. Overcast and rainy Ugly threatening weather Moderate gale from Nly Bar rising Sea rough. Sent down T.G. yards Ditto 26

Signed C.B.T. Moore
Ensign

From 12 P.M. to Noon Cloudy Disagreeable Raining latter part of watch Blowing a very strong gale from N and W by N Bar falling Sea very rough Ship rolling and pitching heavily At 1 started fore main & fore orlop Deck ins fore topsails quit brought ship by the wind At 2 reefed Staysails and storm trysail Ditto 26.

Signed C.F. Curtis
Lieut

Moons Place 2nd qr. Var 2° E

Examined and found to be correct.

Signed Hen Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Leeway.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E. N. E.	North	9		29.68	61	60	60	60	6	Cum. Nimb.	3	R	Double reefed topsails
2			"	"	9		29.65	60	60	60	60	0	"	0	"	close reefed main topsail
3			N. E.	"	9		29.68	60	60	60	60	0	"	0	"	
4			"	"	8.9		29.65	60	60	60	60	"	"	0	"	Double reefed topsails
5			N. E. by E.	N. by W.	8.9		29.62	61	59	59	60	0	"	0	"	
6			"	"	8		29.62	61	59	59	60	"	"	0	"	
7			N. E. by N.	N. N. W.	7.8		29.62	61	59	59	60	"	"	0	"	Set fore, main staysails
8			"	"	7		29.68	61	59	59	61	"	"	0	"	and close reefed main
9	2	5	S. E. by E. 1/2 E.	"	4.5		29.65	66	59	59	60	"	"	0	"	topsail
10	4	8	"	"	4.5		29.68	68	60	60	60	"	"	0	"	Set single reefed fore
11	4	3	"	"	4.5		29.67	65	60	60	59	"	"	0	"	topsail and single
Noon.	5	0	"	"	5		29.65	65	61	61	59	Dc	"	6	"	reefed foresail and
																J. T. M. staysails

Distance run by Log since preceding Noon 116 knots 6 tenths fathoms.

Latitude by D. R. at Noon South 30 . . "

Longitude by D. R. at Noon Wr 28 . 12 "

Latitude by Observations at Noon ⊙ S 35 . 29 . 34"

Longitude by Chronometer from Forenoon Observations ⊙ Wr 27 . 47 . 30"

Current during the time knots fms. per hour, setting to the

Eq 5.95 Variation of the Compass by Amplitude ⊙ observed at Sunrise . . "

Variation of the Compass by Azimuth ⊙ observed at 9 AM Dat 35°32'.5 Lng 28°.5' Wr Wr 8 . 58 "

Water expended during the preceding 24 hours 280 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1456 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Leeway.	Courses steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	5	8	S. E. by E. 1/2 E.	N. by W.	4.5		29.65	68	62	61	59	Dc gs	Cum. Nimb.	2	R	Single reefed topsails
2	5	2	"	N. W.	4.5		29.68	68	61	61	59	"	"	2	"	main top gallant sails
3	4	4	"	W. N. W.	4		29.67	65	62	61	59	Dc	"	5	"	single reefed foresail
4	4	0	"	W.	4		29.67	68	62	61	59	"	"	5	"	
5	5	4	"	West	4		29.66	68	60	60	59	"	"	7	"	
6	5	8	"	"	4		29.66	68	61	60	59	"	"	7	"	
7	5	6	"	"	4		29.67	66	60	59	60	Dc	"	8	"	
8	6	0	"	"	4		29.68	66	59	59	60	"	"	2	"	
9	5	3	"	"	4		29.70	66	59	59	60	Rp	"	3	"	J. G. sails single
10	4	8	"	"	4		29.70	65	59	59	58	Dc	"	9	"	reefed topsails and
11	4	8	"	W. by W.	5.6		29.70	65	58	58	58	"	"	6	"	single reefed foresail
Mid.	6	0	"	"	5.6		29.70	65	57	58	58	Dcp	"	9	"	

Eq -0°.7 Red 1°.25'.8

Longitude by Chronometer from Afternoon Observations ⊙ . . "

Longitude by Chronometer from Observations * . . "

Variation of the Compass by Amplitude observed at Sunset . . "

Variation of the Compass by at . . "

under the command of Commander W. Scott Schley, U. S. Navy,

Saturday October 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced with fresh & Ho Overcast Cloudy Steering a fresh gale from N.E. At 2.30 Hauled close for Storm staysails At 3.45 took in and furled main topsail Commenced shortening under foresail & boilers Lying to under storm sails Storm and Storm staysails Standing S.E. by E. Steam pressure 40 lbs Rec 20 January 26

Signed S. P. Jouett
Master

From 4 to 8 AM Overcast Disagreeable Moderate gale to very fresh Rags from N.E. and N. Standing in quick Rough sea Lying to under storm sails Storm staysails and storm trysail under Steam At 7.30 AM for storm staysails and close reefed main topsail January 26

Signed Saml C. Lemly
Ensign

From 8 AM to Noon Overcast Clearing up better part of watch Moderate to stiff Rags from N. to N.N.E. Rough Barometer steady Falling latter part of watch At 8.30 Shortened sail to foresail and main topsail and hoisted S. S. No staysails hauled down S.S. staysails At 10 crossed main top gallant yards Three hauled in boilers started ducketter at 8.45 January 26

Signed C. B. D. Moore
Ensign

From Noon to 4 P.M. Weather overcast Occasional rain squalls first half of watch Clear and pleasant last half Wind moderate from N.N.E. to E.N.E. At 12.15 Changed course to S.S.E. Barometer steady Sea rough Ship rolling heavily At 2. Shortened sail to reefed foresail and set main topsail January 26
At 2.30 took in main topmast staysail

Signed C. H. Curtis
Lieut

From 4 to 8 P.M. Clear Cool Pleasant Moderate fresh Rags Am. Vessel closed At 4.15 crossed fore top gallant yard and at 5 P.M. sent Boat down Gunboat hoisted Colors for fore yard Ship rolling heavily January 26 Sea rough Sent Boat aboard Two Boilers No Steam to the Pickering Ship under S.S. sails single reefed Topsails single reefed foresail

Signed S. P. Jouett
Master

From 8 to 12 PM Clear Cool Pleasant Moderate Rags from N. by E. Am. Vessel closed Ship rolling heavily Barometer rising Employed Barnacling January 26

Signed Saml C. Lemly
Ensign

From 12 P.M. to Noon Clear Cool Pleasant light sprinkling of rain Moderate to fresh Rags from N. to N.N.W. Ship rolling heavily Barometer steady Sea rough Am. Vessel closed reefed topsail to N.W. Standing. January 26.

Signed C. B. D. Moore
Ensign

Mean Therm. 72 deg. Mean Press. 16°

Examined and found to be correct.

Signed Jno. Walker
Navigator.

LOG of the UNITED STATES Steamer [illegible] 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Leeway.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	5	E & S.E.	W. by N.	4.5		29.72	64	57	56	59	bc	Cum Nimb	7	R	Single reefed topsails
2	6		"	"	4.5		29.73	64	57	56	59	"	"	6	"	DB suits single reefed
3	6		"	W. to W.	4.5		29.74	64	57	56	59	"	"	6	"	foresail and D Mainsails
4	6		"	"	4.5		29.74	64	57	56	59	bcb	"	7	"	
5	6	5	"	W. by W.	5.6		29.72	62	56	57	59	bc	"	7	"	Took in DB suits set
6	6	5	"	"	6		29.74	62	56	57	59	"	"	7	"	DB suits and shook
7	6	2	"	"	6		29.78	66	57	56	59	"	"	7	"	reef out of foresail
8	6	0	"	"	5		29.78	66	58	57	59	"	"	5	"	
9	6	5	"	W.	4		29.84	66	58	57	59	"	"	6	"	Set royals and T'Gs'ls
10	7	5	"	"	4		29.84	67	58	57	59	"	"	8	"	Staysails hauled down
11	7	5	"	W. by W.	4.5		29.88	65	58	57	59	"	"	6	"	Made T'gnsail staysail
Noon.	7	0	"	W. by W.	4.5		29.88	65	58	57	59	"	"	4	"	set lee clew of mainsail
																hauled up Spanker

Distance run by Log since preceding Noon — 137 knots & ~~miles~~ fathoms.

Latitude by D. R. at Noon — S 38 · 39 · "

Longitude by D. R. at Noon — W 24 · 59 · "

Latitude by Observations at Noon ⊙ — S 35 · 47 · "

Longitude by Chronometer from Forenoon Observations ⊙ — W 24 · 57 · "

Current during the time — knots 5 ~~miles~~ per hour, setting to the N

Variation of the Compass by Amplitude ⊙ observed at Sunrise — · · "

Variation of the Compass by Azimuth ⊙ observed at 8 AM Lat 35° 41' S Long 25° 22' W. — W 11 · 30 · "

Water expended during the preceding 24 hours — 136 gallons.

Water ~~condensed~~ during the preceding 24 hours — 1080 "

Water remaining on hand fit for use at Noon — 2080 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Leeway.	Courses steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	7	7	SE by E & E	"	5.6		29.80	63	57	56	59	"	"	2	R	Jib and all plain sail
2	7	2	"	"	5.6		29.80	62	56	56	59	"	"	2	"	
3	7	0	"	"	5.6		29.81	61	56	56	59	"	"	5	"	Same
4	7	4	"	"	5.6		29.82	61	56	55	59	"	"	5	"	
5	7	6	"	"	5.6		29.83	61	56	55	59	"	"	6	"	
6	7	0	"	"	5.6		29.88	61	56	54	59	"	"	6	"	Took in royals and
7	6	6	"	"	5.6		29.88	61	55	54	59	"	"	5	"	one reef in topsails
8	6	4	"	"	5.6		29.88	61	55	54	59	"	"	5	"	
9	6	5	"	"	4.5		29.88	61	55	53	59	"	"	5	"	
10	6	2	"	"	4		29.90	61	55	53	59	bcb	"	4	"	
11	6	0	"	W.	4		29.90	61	54	53	59	bc	"	9	"	Hauled up lee
Mid.	6	0	"	"	4		29.90	61	54	53	59	"	"	7	"	clew runners

Longitude by Chronometer from Afternoon Observations ⊙ — · · "

Longitude by Chronometer from Observations * — · · "

Variation of the Compass by Amplitude observed at Sunset — · · "

Variation of the Compass by — at — · · "

under the command of Commander H. Scott Schley, U. S. Navy,

Sunday October 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Pleasant Cloudy Cool Winds moderate to fresh from N.E. to N.W. Bar. rising slowly Sea rugh Ship rolling heavily at times At 3 set foresail Employed Variously Employed to N.W. boat's crew of watch

Signed C.F. Curtis
Lieut.

From 4 to 8 A.M. Clear Cool Pleasant Moderate to stiff breeze from N.W. to N. At 4 15 took in S.G. sails At 7.30 shook reefs out of foresail Shook reefs out of topsails and set T.G.S. sail Sea rugh Ship rolling heavily under fore T.G.S. Topsails course and fore topmast staysail Fire drill in two boats Employed Variously

Signed D.D. Jewett
Master

From 8 A.M. to Noon Clear Cool Pleasant Moderate to stiff breeze from N.W. and N. At 9. Crossed royal yards set royals jib flying jib and main topmast staysail At 9.30 Lowered down main topmast staysail and cut it Hauled down and stowed flying jib Set fore and aft mainsail and trysail Ship rolling heavily Employed Variously Bar. steady Cor Cum clouds

Signed Jas. C. Gundy
Ensign

From Noon to 4 P.M. Cloudy and Pleasant Stiff to very fresh breeze from N.N.W. Bar. rising slowly Sea rugh Ship rolling from N.W. At 2.15 changed course from E.S.E. to E. by S. Employed Variously

Signed H.L. F. Moore
Ensign

From 4 to 8 P.M. Cloudy Cool Fresh breeze from N.N.W. Bar. rising rapidly Sea rugh Rolling to E.S.E. Employed Variously

Signed C.H. Curtis
Lieut.

From 8 to 8 P.M. Clear Pleasant Stiff to very fresh breeze from N.N.W. Cor Cum clouds At 6 took in and furled royals took in reefs to double T. Sail Ship under T.G.S. sail course employed topsails and jib Employed Variously. Fire drill in two boats A. Team three cheers

Signed D.D. Jewett
Master

From 8 P.M. to Midt. Clear Cool and Pleasant Moderate breeze from E.S.E. Cor Cum clouds Precautions by Heaving from N.E. At 10 Hauled up Water Clew of mainsail Employed Variously Ship rolling from 15° to 20°

Signed Jas. C. Gundy
Ensign

Moon's limb 2nd qr. Hor. D. 11°

Examined and found to be correct.

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer Galena, 2 Rate, 6 Guns,

Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	Fathoms	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1.	7		SE by E 3/4 E	N	6		29.90	60	58	53	59	bc	Cumulus	9	R.	Set foresail & single reefed topsails and
2	7	4	"	"	6		29.88	60	54	52	59	"	"	5	"	reefed topsails and
3	8	2	"	"	6.7		29.88	60	53	53	58	"	"	8	"	DR made
4	9	5	"	"	6.7		29.87	60	53	53	58	"	"	8	"	
5	9	6	"	"	5.6		29.89	60	53	53	58	"	"	6	"	All plain sail & DR made
6	8	6	"	"	5.7		29.92	59	54	53	58	"	"	6	"	except main sail &
7	8	6	"	N. by W	5.7		29.92	59	54	54	58	bcp	"	7	"	spanker
8	7	4	"	"	6.7		29.95	59	54	54	58	"	"	2	"	
9	7	2	"	"	6.7		29.95	59	55	54	58	"	"	6	"	
10	8		"	"	6.7		29.95	59	56	54	57	"	"	6	"	Under D.R. & all sail
11	7	0	"	"	5.6		29.95	59	56	55	57	"	"	7	"	& single reefed foresail and
Noon.	5	5	"	"	5.7		29.95	60	56	55	57	"	"	5	"	Lee reefed sail

Distance run by Log since preceding Noon — 174 knots 2 tenths fathoms.

Latitude by D. R. at Noon — S 36 · 29 · "

Longitude by D. R. at Noon — W. 21 · 28 · "

Latitude by Observation at Noon ⊙ — S. 36 · 2 · "

Longitude by Chronometer from Forenoon Observations ⊙ — W 21 · 30 · "

Current during the time 1 knots 1 ~~fms~~ tenth per hour setting to the N.

Sg. 696 Variation of the Compass by Amplitude ⊙ observed at Sunrise — · · "

Variation of the Compass by Azimuth ⊙ observed at 8 AM Lat. S. 36° 0' Long W. 22° 3' — W 12 · 20 · "

Water expended during the preceding 24-hours — 216 gallons.

Water Condensed during the preceding 24 hours — 740 "

Water remaining on hand fit for use at Noon — 2611 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.															
															Set royals
1	5	2	SE by E 3/4 E	N. by W	4.5		29.95	61	56	55	57	bcp	"	6	M
2	7	0	"	"	4.5		29.95	61	57	56	57	bc	"	8	"
3	8	6	"	"	4.5		29.96	61	57	56	57	bcp	"	4	"
4	9	5	"	"	5.6		30.00	62	56	55	57	"	"	4	"
5	8	6	"	"	5.6		29.97	61	56	55	57	"	"	5	"
6	8	6	"	"	5.6		29.98	61	56	55	57	"	"	7	"
7	8	2	"	"	5.7		30.00	61	55	55	57	"	"	3	
8	7	5	"	"	5.6		30.00	61	55	55	56	"	"	4	
9	6	5	"	"	5.6		30.02	60	55	54	56	"	"	3	
10	6	0	"	NW by N	5.6		30.02	60	55	54	56	"	"	8	
11	6	3	"	"	5.6		30.02	60	55	54	56	"	"	9	
Mid.	6	6	"	"	5.6		30.02	60	55	54	56	"	"	9	

S 36° 13' W 20° 16'

Same

Under D.R. & single reefed topsails Courses and D.R. Made sail

Longitude by Chronometer from Afternoon Observations ⊙ — · · "

Longitude by Chronometer from Observations * — · · "

Variation of the Compass by Amplitude ⊙ observed at Sunset — · · "

Variation of the Compass by at — · · "

under the command of Commander W. Scott Schley, U. S. Navy,

Monday October 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences Hds Clear Cool First to very fresh breze from W Bar fallen cloudy Sea rugh Ship rolling variously At 4h 45m cleared up manned & Hoisted Pennants Hoisting.

G. B. T. Moore
Ensign

From 4 to 8 A.M. Partially cloudy Occasional light showers of rain last half of watch Bar rolling Sea moderate Setting to Sd Shifted sufficient topsails and set the clew of mainsail At 7h 45m Took in clew mainsail Sails furled in 4 points Hoisting Pennants

G. K. Gaynor
Asst

From 8 A.M. to Noon Clear Cool Pleasant Stiff to very fresh breze from W SW Rain squalls last hour Am Noon clouds Employed Cleaning ship Read Articles of Peace & Regulations for the Navy Read and Water for Steamer to obey Commodore's order Ships under Dg sails Topsails Foresail & Jib clew mainsail and fits Sails furled in two points At noon 30 lbs Hoisting Pennants

L. P. Jarrett
Master

From Noon to 4 P.M. Cool and Pleasant Moderate to stiff breeze from NE and NNE Wind during the Squalls Steaming Same as before At 1h 10m Changed course to SSE by C & AF 110 ft wyds Ship on course SSE by C & Distilling Pennants

Geo. L. Emmons
Ensign

From 4 to 6 P.M. Cloudy and Pleasant Stiff to fresh breze from NE NNE Wind during the Squalls Steaming as before At 4h Hauled down Jack. Hoisting Pennants

G. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy Cool Rainy last part of watch Bar rising Sea moderate calling to SE At 6 called all hands Set lower sails furled royals took in jib in Steamed at 7 ft Fore topmast staysail Pennants Hoisting. At 8 Stopped steaming Lower sails furled fires in Two Forts

Lt. K. Gaynor
Asst

From 8 P.M. to Midn Clear Cool Cloudy Showers first hour Stiff to fresh breze from NW Shifting to W NW At 9 cleared up weather Clew of mainsail Ship under Jib Topsail and Reefed reefed topsails Foresail Set clew mainsail and At 9h 30m Moderate & well Down NW Ship rolling considerably Fires furled in Two Forts At 12 noon 27 lbs Pennants Hoisting

L. P. Jarrett
Master

Moon's phase 2d qr. Dec. S 6°

Examined and found to be correct.

Real Walker,
Lt.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	Leeway.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.													Cir Cum			
1	7	2	SE by S, SE	V	5		30.02	66	54	53	56	bcp	Nimb	6	S	Single reefed topsails
2	7	0	"	"	5-6		30.02	60	54	53	56	bc	"	6	"	Foresail leech clew of single
3	7	0	"	"	5-6		30.02	60	54	53	56	"	"	6	"	reefed mainsail
4	6	5	"	"	4-5		30.02	60	54	53	56	"	"	6	"	F.S.M. staysails Hauled
5	6	6	"	"	4-5		30.00	59	55	55	56	"	"	6	"	
6	7	0	"	"	4-5		30.00	58	56	55	57	bcp	"	4	"	
7	6	6	"	"	4-5		30.02	58	56	55	57	bc	"	5	"	All plain sail
8	6	6	"	NW by N	4-5		30.00	58	56	55	57	"	"	4	"	Furled and F.S.M. staysails
9	6	2	"	"	4-5		30.00	58	56	56	57	"	"	4	"	
10	6	5	"	"	4-5		30.00	59	58	57	57	bcpg	"	2	"	
11	7	0	"	"	4-5		30.00	60	59	58	58	bc	"	2	"	
Noon.	8	6	"	"	4-5		30.00	66	59	59	58	bcpg	"	4	"	Same

Distance run by Log since preceding Noon — 169 knots 3 tenths fathoms.

Latitude by D. R. at Noon — S 36° 49' "

Longitude by D. R. at Noon — W 18° 13' "

Latitude by Observation at Noon ☉ — S 36° 20' 45" "

Longitude by Chronometer from Forenoon Observations ☉ — W 17° 59' 20" "

$ 697 Current during the time 0 knots 9 tenths per hour setting to the N. 21° E.

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ☉ observed at 8 A.M. Lat. S. 36°25' Long. W 18°29' — W. 13° 5' "

Water expended during the preceding 24 hours — 216 gallons.

Water during the preceding 24 hours — 212 "

Water remaining on hand fit for use at Noon — 2600 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.															
1	6	6	SE by E, SE	W by W	5		30.05	60	59	58	58	bc	"	6	S	Took in mainsail
2	6	6	"		5		30.03	60	59	58	58	"	"	1		furled sail
3	6	5	"	NW	5		30.02	60	58	57	58	bcp	"	0		single reefed topsails
4	6	8	"		6		30.01	60	58	57	58	bc	"	2		F.S.M. staysails and
5	6	6	"	NW by W	4		30.01	61	56	56	57	bcl	"	2		foresail
6	5	2	"	"	4		30.01	61	56	56	57	"	"	2		
7	6	0	"	"	4-5		29.99	61	57	55	58	0	"	0		
8	7	8	"	"	5-7		30.01	61	57	55	58	cm	"	0		
9	8	6	"	NW by W	5-7		30.02	61	57	55	58	ocp	"	0		
10	9		"		5-7		30.02	61	56	56	58	"	"	0		Close reefed topsails & foresail, and F.S.M.
11	7		"	NW by W	5-7		30.00	6	56	56	57	"	"	8		staysails
Mid.	7		"	"	5-7		29.98	60	56	56	58	"	"	0		

S 36°49' W 18°58'

Longitude by Chronometer from Afternoon Observations ☉ — ° ' "

Longitude by Chronometer from Observations ☽ — ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. Scott Schley, U. S. Navy,

Tuesday October 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with A.M. Clear Cool and Pleasant Moderate to fresh breze from W.N.W. Occasional light showers Hazy swell from W.N.W. rolling from 15 to 20° Sett at 4 Diversity 27. Fires Started in two Boilers

Saml C. Smith.
Ensign

From 4 to 8 A.M. Cloudy and Pleasant Moderate to stiff breze from W. Hazy swell from W.N.W. Bar rising slowly. At 7.45 A.M. caught ruff out of Log reels and sett Log ale Fires Started in two Boilers Diversity 27.

C. B. T. Moore
Ensign

From 8 A.M. to Noon Cloudy Cool Pleasant during greater part of watch Occasional rain squalls Bar falling Sea moderate setting to S.E. and S.S.E. At 9.15 A.M. opened at quarters Fires Started in two Boilers Diversity 27. Fresh breze from N.N.W.

C. K. Curtis
Lieut

Noon to 4 P.M. Cloudy Cool Passing rain Moderate breze from N.N.W. Sea and Wind clouds At 4 H 5 furled Royals and sent down Royal yards At 5.30 Tested reg in Log reels Diversity 26 Fires Started in Two Boilers

Saml C. Smith
Ensign

From 4 to 8 P.M. Overcast Ugly threatening weather Moderate to stiff breze from N.N.W. Rain very fresh in puffs Bar rising slowly. Hazy Sea swell from W.N.W. Ship rolling heavily Watch at quarters Fires Started in two Boilers Diversity 26.

C. B. T. Moore
Ensign

From 8 P.M. to Midn Cloudy Squally Ugly threatening weather Wind very fresh from W. and N.W. by N. Bar falling Long swell from N.E. and W. At 9 took in sail furled S. Sail At 10 Hauled close reefed topsails and Single reefed foresail Fires Started in two Boilers Diversity 27.

C. K. Curtis
Lieut

Moon's phase 2nd Qr. dec. 8 1°.

Examined and found to be correct.

Wm Walker,
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.													Cir Cumu			
1	7	0	Steby Bys E	NNW	6.8		29.95	60	56	56	56	be ogs	Nimbs	3	R	Under close reefed topsails,
2	7	5	"	"	6.8		29.92	60	56	57	55	ogs	"	0	"	and foresail and
3	8	2	"	NW by N	6.8		29.92	60	56	56	55	be	"	6	"	S.W. & W. Main sail
4	7	0	"	NW by W	6.7		29.92	60	56	56	55	be	"	8	"	
5	6	0	"	W by N	5.6		29.94	60	56	56	55	bs	"	6	"	
6	6		"	W. by W	4.5		29.95	60	56	56	55	"	"	6	"	Shortened Two reefs in each of
7	6		"	W by W	4.5		29.98	60	56	56	55	be	"	6	"	the topsails and foresail
8	6		"	"	4.5		30.02	60	56	56	55	"	"	8	"	set Watch
9	6	7	"	"	4.5		30.05	59	55	55	55	"	"	6	"	
10	7	8	"	SW	5.6		30.09	58	55	54	56	"	"	8	"	
11	8	0	"	"	6.7		30.10	58	55	55	56	"	"	2	"	Shorted sail &
Noon.	7	0	"	SSW	5.6		30.10	58	55	52	56	ogs	"	0	"	Set mains
																Sail jib and Spanker

Distance run by Log since preceding Noon: 165 knots 4 tenths fathoms.

Latitude by D. R. at Noon: S 37 · 13 ·

Longitude by D. R. at Noon: W. 14 · 39 ·

Latitude by Observation at Noon ⊙: S 36 · 55 · 20 ·

Longitude by Chronometer from Forenoon Observations ⊙: W. 14 · 55 ·

Current during the time knots 7 tenths fifts. per hour setting to the N.

Dy. 5°8 Variation of the Compass by Amplitude ⊙ observed at Sunrise: ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM Lat S 36°52' Long W 15°21': W. 15° · 40 ·

Water expended during the preceding 24 hours: 216 gallons.

Water during the preceding 24 hours: "

Water remaining on hand fit for use at Noon: 2384 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

P. M.															
												Cir Cumu			
1	6	0	ESE 1/4 E.	S	5.6	30.15	58	55	55	56	be		5	W	
2	6	2	"	"	5.6	30.14	58	55	53	56	"	"	8	"	
3	6		"	"	5.6	30.15	58	53	52	56	"	"	2	"	
4	5		"	"	5.6	30.17	58	54	52	56	"	"	3	"	
5	8	5	"	"	3.4	30.18	58	53	52	56	"	"	5	"	
6	9	4	"	"	3	30.20	58	53	52	56	"	"	5	"	
7	8	4	"	SSE.	3	30.22	58	53	51	56	"	"	4	"	
#8	7	4	"	"	3	30.28	58	52	51	56	"	"	2	"	
9	8	7	ESE	S by W	3	30.28	57	52	51	56	"	"	1	"	
10	8	3	"	"	3	30.27	57	52	51	56	"	"	1	"	
11	7	3	"	"	2	30.27	57	52	51	56	0	"	0	"	
Mid.	7	4	"	"	2	30.30	57	52	51	56	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙: ° ' "

Longitude by Chronometer from Observations *: ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset: ° ' "

Variation of the Compass by at: ° ' "

under the command of Commander W. Scott Schley, U. S. Navy,

Wednesday October 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Alternately clear and cloudy Very fresh breeze from N.N.W. to W.N.W. shifting to W.S.W. to W. Hauling in squalls with rain Ans. Knots Cloudy Hove to under close reefed topsails and foresail for Inspection Employed Pd. crew Sea rough Three funnel in two boilers At 9 fires 20 lbs Wednesday 27 Moonlight

L. P. Jewett
Master

From 4 to 8 A.M. Cloudy and cool Occasional passing rain Latter part clear and pleasant Moderate to fresh breeze from S.W. and W.S.W. At 6 shook two reefs out of topsails shook both reefs out of foresail and set J.B. sails At 8 30 shook reef out of topsails set single reefed mainsail jib and spanker Ber Ans. Knots Cloudy Three funnel in two boilers Delaware 27 Leny as well from N.Y.

Lewis Ingalls
Ensign

From 8 A.M. to Noon Cloudy and cool Passing shower of rain Wind moderate to fresh from W.S.W. by W. to S.W. by W. Hove to in squalls At 8 00 hoisted flying jib mainsail staysail and set gaff topsail At 9 15 was spoken at quarter by order of Comdr. Mitch Hays, U.S.N. was released from duty as Commander and restored to duty At 11 Sunset clear Flying jib main topmast staysail and gaff topsail Three funnel in two boilers Quantity 27 Leny as well from N.Y.

L. B. T. Moore
Ensign

From Noon to 4 P.M. Cloudy and cool Wind moderate to fresh from W.S.W. Barometer Moderate and falling to W.S.W. and W. At 1 20 slanted Flying jib to N.E. boiler furled mainsail and set J.B. sails At 1 30 set J.B. sails At 4 took in all square sail and slanted steaming with N.E. boiler Delaware 26

L. R. Lewis
Asst

From 4 to 8 P.M. Cloudy and cool Gentle breeze from W. Furled sail Hove under jib and P. Mainsail and gaff topsails Leny as well from N.Y. Delaware 26 Steaming under N.E. boiler At sunset Fires 80 lbs Pressure Rev 52

L. P. Jewett
Master

From 8 to 12 P.M. Cloudy and cool and pleasant Gentle breeze from W. At 8 00 hoisted signal to alter position of vessel steam sails on high pressure Cylinder At 9 10 slanted ahead steaming under N.E. boiler Rev 52 Steam 80 lbs Under fore and aft sail Ready as well from N.Y. Quantity 26

Lewis Ingalls
Ensign

From 12 P.M. to Midnight Cloudy and cool Light to moderate breeze from W.S.W. by W. and S.E. Steaming with N.E. boiler At 8 steamed course to S.S.E. At 9 30 took in gaff topsails As steam Fires 80 lbs. Rev 48. Delaware 26

L. B. T. Moore
Ensign

Moon's phase 2d qr. dec N. 4°

Examined and found to be correct.

A. S. Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer E & A Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Fathoms	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	4	E S E	S. E	2		30.31	57	52	51	56	be Certain		1	S.	
2	7	4		"	2		30.30	57	52	51	56	"	"	1	"	
3	7	1	S E	"	2		30.30	57	52	51	56	"	"	1	"	
4	7	0		"	2		30.30	57	52	51	56	"	"	1	"	
5	7	8	S E & E		0-1		30.30	57	53	52	56	"	"	1	"	
6	8	0		S. E	0-1		30.30	57	53	52	56	"	"	1	"	
7			Lying to with the		0-1		30.32	57	53	52	56	"	"	3	"	
8			Head to the		0-1		30.34	57	53	52	56	"	"	2	"	
9			Wind & Current	E. & E	1-2		30.36	57	54	55	56	"	"	2	"	
10			as under		1-2		30.38	57	56	54	56	"	"	2	"	
11				S. E	1-2		30.38	60	58	57	56	"	"	2	"	
Noon.				"	1-2		30.38	60	59	57	56	"	"	2	"	

Distance run by Log since preceding Noon 117 knots 5 ~~tenths~~ fathoms.

Latitude by D. R. at Noon } Off Ilha de Annobon

Longitude by D. R. at Noon } "

Latitude ~~by Observation at Noon~~ ⊙ by bearing S 37° 1' "

Longitude ~~by Chronometer from Forenoon Observations~~ ⊙ by bearing W 12° 20' "

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours 230 gallons.

Water during the preceding 24 hours " "

Water remaining on hand fit for use at Noon 2654 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	8	5	S E by E	N E	3	30.34	58	57	55	56	be	Cirrus	2	S.	All Yelins ends
2	7	4	"	"	3	30.32	58	57	55	56	"	"	4	"	
3	8	0	"	N E by N	3	30.30	58	57	56	57	"	"	2	"	
4	7	0	"	N E	3	30.30	58	56	55	57	"	"	1	"	Same
5	7	4	"	N E by N	4	30.30	59	56	55	57	"	"	2		
6	7	6	"	"	4	30.30	59	56	55	57	"	"	3		Double in Royals &
7	7	4	"	"	4	30.33	59	56	55	57	"	"	5		jib main topmast stay sail
8	7	8	"	"	5	30.34	59	56	54	57	"	"	7		and mizen top sail
9	8	0	"	E. N E	5	30.34	59	56	54	57	"	"	4		set mizen sail
10	8	6	"	"	5	30.34	59	56	54	57	"	"	5		took in gaff topsail
11	8	6	"	"	5	30.34	57	56	54	57	"	"	5		
Mid.	8	5	"	"	5	30.30	59	56	54	57	"	"	3		

Longitude by Chronometer from Afternoon Observations ⊙ " "

Longitude by Chronometer from Observations * " "

Variation of the Compass by Amplitude ⊙ observed at Sunset " "

Variation of the Compass by at " "

under the command of Commander W. Scott Schley, U. S. Navy,

Thursday October 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and with M. Cloudy Cool Wind light from E. Bar falling Sea smooth Considerable swell Sailing to N.E. and E.N.E. Made Sig. L. Lund At 2.45 Pensacola Bar E.N.E. 1/2 E. 4 miles Pensacola Bar at 2.10 to 3 P.M. At 2.47 to S.E. 1/2 E. At 3.05 got cast off Lead no bottom at 3 fms At 3.20 brought ship head to sea and stopped engines At dist of water middle part of Indian Island Bar bore S.E. by E. and Pensacola N.W. 1/2 W. Steam in six boilers Pensacola 26

L. M. Lewis
Lieut

From 4 to 8 P.M. Cloudy Cool Light airs from N.E. Some Stars clouded Laying off Indian Island Bar Steam in six boilers Steam cutter Pensacola 26 Sails from time to time as ordered

L. P. Jouett
Master

From 8 P.M. to Midnight Cloudy and Pleasant Light breezes from N.E. and E.N.E. Some clouds Sails with residents of Pensacola communicating with ship At 9 a Bridal Party came on board Marcus Johnson and Mary Lee Dean were married Cmdg Officer performing ceremony. Under steam laying off and on Pensacola 26

Lewis Cmdg Officer

From Midnight to 4 P.M. Cloudy and Pleasant Gentle breeze from N.E. to N.E. by E. At 1 slacked Ahead Steam in six boilers At 12.20 set foresail and at sails At 2.45 set Spanker At 1 crossed royal yards At 2 set Topsails and T.G. sails At 3.15 set royals and stay sails At 3.05 Stopped Steaming unrestful Sea Sailer Turned Fires in 2 boilers. Hoisted Ensign (Ensign hoisted Fires in four boilers) Set mainsail Plain Sails and mainsail Topmast Staysails Pensacola 26

L. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy Cool Moderate breeze from N.E. to N. Bar Steady Sea smooth At 5 commenced Reducing Fires Banked in two boilers Pensacola 26

L. M. Lewis
Lieut

From 8 to 12 P.M. Cloudy Cool Pleasant Bright moonlight Moderate to stiff breeze from N. to E. At 8 Took in royals Flying Jib and Jib [illegible] At 10 Took in mainsail At 11.55 Set mainsail, Boats in At 12 00 Took in gaff foresail. Pensacola N.E. by E. 1/4 E. Fires banked in two boilers At present 30 lbs Pensacola 26

L. P. Jouett
Master

From 12 P.M. to 4 A.M. Cloudy Cool Pleasant Stiff breeze from E. to E.N.E. Some clouds Fires Banked in Two Boilers At 4 Steam Fires 30 lbs Pensacola 26 Bright moonlight

Lewis Cmdg Officer

Moon's place 2d 9' see N. 9°

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Sloop Essex, 2 Rate, 6 Guns,

Making Journey from Rio Janeiro to Cape Town South Africa

Hour.	Knots.	Tenths Fathoms	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.													Cirl			
1	9		[illegible]	NE by N	6		30.31	58	56	55	57	0	Cum	0	S.	Set FT Msail & cut
2	8	5	"	"	5-6		30.31	58	56	55	56	"	"	0	"	course single reefed
3	8	6	"	"	5-6		30.29	58	55	55	56	Fc	"	1	"	topsails D Reefed
4	8	6	"	"	5-6		30.29	58	55	55	56	0	"	0	"	and stunsails
5	8	6	"	"	5-6		30.29	58	55	55	56	Fc	"	1	"	
6	7	4	"	"	5-6		30.29	58	56	55	56	"	"	1	"	
7	7	6	"	"	5-6		30.30	58	56	55	56	"	"	1	"	Skimmish to Cape
8	6	2	"	"	5-6		30.32	59	56	56	56	"	"	2	"	galeant reefs
9	9	0	"	"	5-6		30.32	59	56	56	56	"	"	3	"	Fore and main
10	9	4	"	"	6		30.32	58	57	57	56	"	"	4	"	topmast stunsails
11	9	8	"	"	6		30.32	58	58	58	55	"	"	6	"	
Noon.	8	2	"	N	6		30.29	58	58	58	53	"	"	7	"	

Distance run by Log since preceding Noon — 197 knots 2 tenths fathoms.

Latitude by D. R. at Noon — S. 37 · 20 · "

Longitude by D. R. at Noon — W. 8 · 14 · "

Latitude by Observation at Noon ⊙ — S. 37 · 24 · 45 · "

Longitude by Chronometer from Forenoon Observations ⊙ — W. 8 · 15 · "

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at 8 AM. Lat. S. 37°23' Long W. 9° 0' — W 23° · "

Water expended during the preceding 24 hours — 216 gallons.

Water Condensed during the preceding 24 hours — 500 "

Water remaining on hand fit for use at Noon — 2438 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Tenths Fathoms	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	7	5	S 22 E 28 E	N x E	6		30.28	58	56	58	54	Fc	Cum Nimb	2	M	
2	9	6	"	"	6		30.28	58	56	56	54	"	"	4	"	
3	10		"	"	6		30.28	58	56	56	54	"	"	2	"	
4	10		"	"	6		30.28	58	56	55	54	"	"	2	"	All Yloins sail &
5	10		"	N by E	6		30.28	58	56	55	54	0	"	0	"	D Reefs except
6	10		"	"	6		30.28	58	54	54	54	0	"	0	"	mainsail
7	9	3	"	"	6		30.31	57	54	54	54	"	"	0	"	
8	8		"	"	5-6		30.31	57	54	54	54	Fc	"	1	"	Single reefed topsails
9	8		"	"	6		30.30	57	54	54	54	"	"	1	"	foresail D Reefed
10	8	4	"	"	6		30.30	57	54	54	54	"	"	1	"	Set FT Msail and
11	8		"	"	6		30.30	57	54	54	54	"	"	1	"	spanker.
Mid.	8		"	"	6		30.28	57	52	54	54	"	"	1	"	

Under D Reefed

Longitude by Chronometer from Afternoon Observations ⊙ — " reefed topsails

Longitude by Chronometer from Observations — Jibs mizen

Variation of the Compass by Amplitude ⊙ observed at Sunset — topsail Set FT Msail

Variation of the Compass by at — and spanker

under the command of Commander W. Scott Schley, U. S. Navy,

Friday Oct 14th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced with All Clouds and cool Stiff to fresh breeze Hoisting ensign Sent from N.E. by N. Sea smooth Bar falling slowly Fires banked in two boilers Distilling Density 26

C. B. F. Moore
Ensign

From 4 to 8 AM Cloudy Cool Winds fresh from N.N.E. Bar rising Sea smooth Hoisted out log and set main log must Steering and gaff topsails Fires banked in two boilers Distilling Density 26

C. McLarin
Lieut

From 8 AM to 12 Noon Clear Fresh breeze from N.N.E. Bar rising Sea smooth Sounded at 9.10 exercised at fire quarters Hoisted under all Signals sent to P. Boats and main topmast stay sail Sounded ofters Fires banked in two boilers Steam from 20 lbs Distilling Condensers Density 27

L. P. Jarrett
Master

From Noon to 4 PM Cloudy Cool Clear Fresh breeze from N by E Bar steady At 1.25 exchanged courses to E.S.E. At 1.40 hauled out main sail set main topsail Closed up main Boats and up S.E. Factory At 2.05 set main to'gt sail Fires banked in two boilers Distilling Density 27

Saml. J. Brady
Ensign

From 4 to 8 PM Overcast Cool Fresh breeze from N.N.E. Bar steady Sea moderate Hoisted under all Signals to P Boats, except mainsail, with ~~gaff topsail and~~ main topmast staysail Fires banked in two boilers Distilling Density 27

C. B. F. Moore
Ensign

From 8 to 8 PM Cloudy Cool Winds fresh from N.N.E. Bar rising Moderate sea At 6 took sights as per Azimuth Hoisted Boats and stowed mainmast Staysail and gaff topsail Fires banked in two boilers Distilling Density 27

C. McLarin
Lieut

From 8 PM to Mid Cloudy Cool Fresh N.N.E. breeze Bar Sounded Moderate sea At 10 Hoisted under P Boats, sought water Fires out main Staysail Hoisted P Boats sought water and Sounded At 10.30 stopped distilling and banked Fires Density 27

L. P. Jarrett
Master

Moon's phase 3d Qr. Dec N. 14°

Examined and found to be correct.

Chas Walker,
Lt

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Force.	Leeway.	Barometer. Height in Inches.	Ther. att'd.	Temperatures. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	9		E & S	North	6		30.28	57	54	52	54	bc	Cirro Cumo	4	M	Single reefed topsails &c
2	9	5	"	"	6		30.24	57	54	54	54	"	"	2	"	ends P.M. Make sail
3	9	4	"	"	6		30.20	07	54	54	54	"	"	2	"	Unreef and set jib
4	9	2	"	"	6		30.18	57	54	54	54	"	"	2	"	
5	9	2	"	"	6		30.17	56	54	54	54	"	"	4	"	Hauled with Forecast
6	9	2	"	"	6		30.16	56	54	54	54	0	"	0	"	
7	9	0	"	N.N.E	6		30.15	56	54	54	54	"	"	0	"	
8	8	6	"	"	6		30.15	56	55	55	54	bc	"	0	"	Single reefed topsails
9	9	4	"	"	6		30.15	56	57	57	54	"	"	2	"	and Courses at 12 PM
10	9	0	"	"	5-6		30.17	57	58	58	54	"	"	8	"	Close reefed main topsail
11	10	2	"	"	6		30.17	58	58	57	54	"	"	4	"	
Noon.	8	6	"	"	6		30.18	58	58	58	54	"	"	2	"	

Distance run by Log since preceding Noon 220 knots 6 tenths fathoms.

Latitude by D. R. at Noon S 37 · 25 "

Longitude by D. R. at Noon W. 3 · 39 "

Latitude by Observation at Noon ⊙ S. 37 · 32 "

Longitude by Chronometer from Forenoon Observations ⊙ W. 3 · 48 "

Current during the time knots fms. per hour setting to the

Sp. 600 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at 6 AM. Lat. S 37° 32′ Long. W 4° 35 W 26 ° ′ ″

Water expended during the preceding 24 hours 216 gallons.

Water Condensed during the preceding 24 hours 453 "

Water remaining on hand fit for use at Noon 2675 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Force.	Leeway.	Barometer. Height in Inches.	Ther. att'd.	Temperatures. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																Set main topmast staysail
1	10	9	E & S	N by E	6-7		30.15	58	58	58	54	bc	Cirro Cumo	1	M	Took in main topmast staysail
2	10	9	"	"	7		30.12	58	58	58	53	"	"	2	"	
3	11	2	S & by E 3/4 E	"	7		30.10	58	58	58	55	"	"	2	"	
4	11	8	"	"	7		30.10	58	58	58	55	"	"	1	"	Took in Jib
5	10	0	"	"	7		30.08	58	57	57	55	"	"	1	"	
6	8	6	S & E 1/2 E	"	7		30.08	58	57	57	55	"	Cirro Cumo	1	"	Close reefed topsails
7	8	6	S by E 3/4 E	"	7		30.05	58	57	57	57	0	"	0	"	single reefed foresail
8	8	6	"	"	7		30.08	58	57	57	57	"	"	0	"	Lighted down Gaskets
9	8	6	"	"	7		30.08	58	57	57	57	09	"	0	"	Hauled down Jib
10	6	0	"	N by E	5-6		30.07	58	57	57	57	"	"	0	"	
11	6	0	"	N N by E	6		30.07	57	57	57	57	bcy.	"	1	"	
Mid.	4	6	"	"	7		30.07	57	57	57	57	bc.	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ′ ″

Longitude by Chronometer from Observations ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset ° ′ ″

Variation of the Compass by at ° ′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Saturday October 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended M. Cloudy. Cool and pleasant. Fresh breeze from N. Bright moonlight. Few clouds. Ship in charge of Lt. Greely

Lt. Greely

From 4 to 8 A.M. Cloudy. Cool. Fresh breeze from N. to N.N.E. Bar falling slowly. Sea moderate. Ship in charge of Lt. Greely

L. B. T. Moore
Ensign

From 8 A.M. to Meridian Cloudy. Cool. Fresh breeze from N.N.E. Bar rising slowly. Sea smooth. At 8 1/3 set single reefed mainsail. Ship as yesterday

L. K. Jerauld
Lieut

Meridian to 4 P.M. Cloudy. Very fresh breeze from N.E. by E. At 12.05 set main topmast staysail and at 12.20 took it in. At 2.30 sent down royal yards. At 3.05 took in and furled S. G. sails. At 4 changed course to E. by S. 3/4 S. Ship under single reefed topsails, course, foretopmast staysail, jib and spanker. Reefed topsails and set them double reefed. Ship as yesterday

E. P. Jarrett
Master

From 4 to 8 P.M. Cloudy and threatening. Very fresh breeze from N. by E. At 5.30 hauled down and stowed jib. Close reefed topsails. Single reefed foresail and hauled down head of spanker. Ship as yesterday

Lt. Greely
Commdg

From 8 to 8 P.M. Overcast and disagreeable. Very fresh breeze from N. by E. Bar rising slowly. Sea rough. Ugly threatening weather. Moon rose at 7.00. Ship in charge of E. by S. 3/4 S. Regular

L. B. T. Moore
Ensign

From 8 P.M. Cloudy. Squally and rainy. Clearing latter part of watch. Bar steady. Sea moderate. Wind varying considerably at times. Fresh breeze with heavy puffs. First part of E. by S. to N.N.E. by N. decreasing to gentle breeze at end of watch. At 9.05 took in sail for the night. Double reefed. Regular. Lighted and set dark lanterns during watch. Thunder to S.E. and S.

L. K. Jerauld
Lieut

Moon's phase 3/4 gr dec N. 19°

Examined and found to be correct.

A. Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer [illegible], 2 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Inches	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	8	[illegible]	[illegible]	4-5		30.00	59	56	56	54	fc	Cu Nimb	8	R	Foresail reefed topsails
2	5	6	"	"	4-5		30.00	59	56	56	54	"	"	5	"	Single reefed Foresail
3	5	0	"	W. S.W.	4-5		30.00	59	56	56	54	Beg	"	2	"	unfurled & set Royals
4	4	5	"	S.W. W. S.W.	4		30.00	59	56	56	54	"	"	5	"	
5	4	5	"	"	4		30.00	59	56	56	54	"	"	2	"	Shook two reefs out of
6	4	5	"	"	4		30.00	59	54	54	54	"	"	2	"	Royals and mizen
7	5	6	"	S.W.	4		30.00	59	54	54	54	"	"	2	"	Foresail & Stays'ls
8	5	4	"	"	4		30.00	59	54	54	54	"	"	2	"	
9	5	6	"	S.W. by S.	4		30.00	59	54	54	54	"	"	6	"	
10	6	6	"	S. by W. S.W. by S.	4		30.00	58	54	54	54	Beg	"	2	"	Shook reefs out of Fore
11	6	2	"	S. W.	4		30.00	58	55	55	55	"	"	8	"	sent up Royal yard
Noon.	6	0	"	"	4		30.00	58	55	55	55	"	"	2	"	and set royals

Distance run by Log since preceding Noon — 162 knots 8 tenths fathoms.

Latitude by D. R. at Noon — S. 37° 32' "

Longitude by D. R. at Noon — W. 0 22 "

Latitude by Observation at Noon ⊙ — S 37 32 "

Longitude by Chronometer from Forenoon Observations ⊙ — W. 0 15 "

Sp. 600 Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at 8 AM. Lat S 37°32' Long W 0°44' — W. 28

Water expended during the preceding 24 hours — 216 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon — 2459 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	8	5	[illegible]	S. S.W.	4		30.00	58	55	55	55	fc	Cu Nimb	3	M	All Royals reefed
#2	8	0	"	"	4		30.00	58	55	55	55	"	"	4	"	to reefs and
3	7	0	"	"	4		30.00	59	55	55	55	Beg d	"	3	"	Sunset to sunset elapsed
4	[illegible]	5	"	"	3-5		30.00	59	55	55	55	fc	"	5	"	
5	7	9	"	"	4		30.00	59	55	55	55	"	"	5	"	
6	7	8	"	"	4		30.00	59	55	55	55	"	"	5	"	
7	6	0	"	S. by W.	4		30.00	59	55	55	55	"	"	4	"	Shook reefs out of all
#8	5	6	"	"	4		30.01	59	54	52	55	"	"	2	"	Furled Royals middle
9	6	2	"	"	4		30.01	59	54	54	54	0	"	0	"	Furled down sails Foresail
10	7	8	"	"	5		30.01	59	54	54	54	"	"	0	"	Set T.G.S. all night
11	8	4	"	S. by W.	5		30.05	59	53	53	54	"	"	0	"	Royals to yards and
Mid.	7	6	"	"	4		30.14	59	53	53	53	"	"	0	"	Reefed + Spanker

#2 Sp. 1416 — Lat S 37°32' Long 0°0'

8 PM Lat S 37°32' Long 0°55'

Longitude by Chronometer from Afternoon Observations ⊙ " " "

Longitude by Chronometer from Observations * " " "

Variation of the Compass by Amplitude ⊙ observed at Sunset " " "

Variation of the Compass by at " " "

under the command of Commander W. Scott Schley, U. S. Navy,

Sunday Oct 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Cadwalader clear Local Moderate breeze from W.N.W. Ran equable set two hours Ended Ship under single reefed topsails single reefed foresail and T. Mainsail & Courses Quarterly 27.

L. C. Jarrett
Master

From 4 to 8 A.M. Cadwalader received Moderate breeze from W.N.W. latter part gusty to moderate from N. Commenced passing shoals At 5 shook reefs out of topsails and out of foresail and set J.G. sails At 6 hoisted Starboard Head At 7.30 shook reefs out topsails sent up royal yards, and set royals Ship as required Quarterly 27.

Wm. Ingalls
Ensign

From 8 to 12 M. Wind Light and equally Light Showers of rain latter part of which Barometer fell 2 hundredths Sea smooth Moderate Squalls from S.E. and N. At 9.30 set mainsail At 10.05 inspected at quarters afterwards Prayers for the Sailors Government and Prayers were read by Commanding Officer & Crew mustered At 10.30 hoisted jib and main topmast staysail Quarterly 27.

Passed two bunches Kelp.

C. B. T. Moore
Ensign

Moderate to 4 P.M. Calm and Moderate breeze from S.S.W. Pleasant rain squalls Barometer rising steadily Sea smooth At 12 set flying jib Quarterly 27.

C. K. Ezzard
Lieut

4 to 6 P.M. Calm and Moderate S.S.W. breeze Car. Am. Hills clear Ship under all plain sail to royals and main topmast staysail Courses Quarterly 27.

L. C. Jarrett
Master

From 6 to 8 P.M. Calm and Pleasant Moderate breeze from S by W. At 6.15 took single reefs in topsails furled royals Furled Flying jib and stowed main topmast staysail and flying jib Quarterly 27.

Wm. Ingalls
Ensign

From 8 P.M. to Mid. Quarters Lord Ugly Pleasant weather Light showers of rain occasionally At 10.05 Changed course to S.S.W. 8 1/2 P.M. Moderate & Cliff breeze from S by W Furled T.G.S. Sea smooth Quarterly 27

C. B. T. Moore
Ensign

Moon's phase 3d qr. N. 22°

Examined and found to be correct.

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES "Sloop Essex", 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	0	SEby E ½ E	SSE ½ E	4		30.04	57	53	53	54	o p q	d k i	0	S	Single reefed topsails
2	5	6	"		3-4		30.10	57	53	53	54	"	"	0	"	Set main & fore T'gallant sails
3	4	4	"	SSE ½ E	3		30.07	57	53	53	54	o. q.	"	0	"	Furled T'gallant sails
4	4	6	"	"	3-4		30.07	57	53	53	54	"	"	0	"	Main sail
5	4	6	"	"	3		30.05	57	53	53	54	o.	"	0	S	
6	6	6	"	"	4		30.05	57	53	53	54	"	"	0	"	
7	6	4	"	"	4		30.05	57	53	53	54	b c	"	1	"	Made sail to royals
8	6	4	"	SE ½ E	4		30.05	57	53	53	54	"	"	1	"	
9	6	0	"	"	4		30.05	57	54	54	54	"	"	1	"	
10	6	0	"	"	4		30.05	57	54	54	54	"	"	1	"	Hauled down T'gallant sails
11	6	6	"	SE by E	4		30.05	57	54	54	54	"	"	1	"	Hauled down + closed
Noon.	6	0	"	"	4		30.00	57	55	55	54	"	"	1	"	T. Jib

Distance run by Log since preceding Noon	156 knots	9 tenths	fathoms.
Latitude by D. R. at Noon	S. 37 ·	35	"
Longitude by D. R. at Noon	E 3 ·	1	"
Latitude by Observation at Noon ⊙	S 37 ·	18	"
Longitude by Chronometer from Forenoon Observations ⊙	E 2 ·	52	"
Current during the time 0 knots 7 tenths per hour setting to the N. N. W.			
Variation of the Compass by Amplitude ⊙ observed at Sunrise			
Variation of the Compass by Azimuth ⊙ observed at 8 AM. dat. S 37° 20'. long. E 2° 21'.	W 28 ·	30	"
Water expended during the preceding 24 hours	216 gallons.		
Water during the preceding 24 hours			
Water remaining on hand fit for use at Noon	2243 "		
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Sp. 1416

P. M.															
1	6	2	SEby E	W	4	29.98	57	56	55	54	b c	"	1	S	All plain sail with
2	6	4	"		4	29.95	59	55	55	54	"	"	1	"	mizen T'gallant sail
3	7	2	"	SE ½ E	4	29.94	59	55	55	54	"	"	1	"	and Spanker
4	8	5	"		5	29.94	59	54	54	54	"	"	1	"	Same with T'gallants
5	9	2	"	SEby E	5-6	29.93	59	54	53	54	b c g	"	1	"	& Jib
6	9	-	"	"	5-6	29.93	59	54	53	54	"	"	2	"	
7	8	7	"	"	6	29.88	59	53	52	54	"	"	1	"	Set T'gallants and Mizen
8	9	5	"	"	6	29.88	59	53	53	54	b d g k	"	1	"	T'gallants and took
9	8	5	"	"	5	29.88	59	54	54	54	b c k	"	1	"	in Mizen T'gallants
10	8	0	"	"	5	29.88	58	54	54	54	b c	"	5	"	Hauled up & Spanker
11	7	0	"	"	5	29.80	57	54	54	54	b c k	"	3	"	
Mid.	7	2	"	"	5	29.78	57	54	54	54	b c k	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙			
Longitude by Chronometer from Observations ☽			
Variation of the Compass by Amplitude ⊙ observed at Sunset			
Variation of the Compass by at			

under the command of Commander W. Scott Schley, U. S. Navy,

Monday October 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with M. Cloudy Equally Moderate breeze from S.E. & W. and S.by W. Drizzling rain during portion of watch Bar. falling Sea smooth Ship under Single reefs Topsails and Jib Gallant sails Employed as necessary

Geo. K. Leyden
Lieut

From 4 to 8 A.M. Cloudy Cond. Steward Moderate & W.by W. breeze Comm. Sail employ At 7.30 shift wts set T.G.sail and T.G.Stays'l as flying jib gaff T.G.sail and main T.Gallant & Royals Hauled down main T.Gallant Stays'l Fin. cond. Employed as necessary Duty as before

L. P. Jouett
Master

From 8 A.M. to Meridian Cloudy Cond. Steward Moderate breeze from W. to W.N.W. At 9.15 beat to general quarters Divisions inspected ready as follows Cmdg Div 2nd 16th Lieut. 2nd 15th Ens. 2nd 15th 2nd 2nd 16th 1st Div 2nd 15th Carpenter divisions at general quarters At 9.45 Sounded down and stowed T.G.sail and P.M. Staysail Geo. L. Adams P.M. was given 1 hundred extra duty for being slovenly in dress and boisterous to Midshipmen which corrected for the day and James W. Ellis Lad 2 hrs extra duty for being out of uniform after being repeatedly warned By order of Cond. Duty as before

Saml. C. Cloudy
Ensign

From Meridian to 4 P.M. Cloudy and Steward Moderate to stiff breeze from W. to N.W. Bar. falling Down watch from 12 to 4 visited mains'l Jib and Fore and Aft Staysails at 2.30 P.M. Sounded in 8 fathoms at end of watch in Ha. guarters Employed as before

C. B. T. Mayo
Ensign

From 4 to 8 P.M. Cloudy & windy Fresh breeze from W.by S. Bar. steady Sea smooth At 6 set T.G.sail to meet Staysail Fin. cond. in eight at ends of watch Employed as before

Geo. K. Leyden
Lieut

From 8 to 12 P.M. Overcast pressing shower Equally Cond. Fresh breeze from W.by S. At 8.10 took in royals main T.Gallant Staysail and one reef in T.G.sails At 8.30 hauled down T.G. staysail Fin. cond. Employed as before

L. P. Jouett
Master

From 12 M. to 4 A.M. Cloudy Cond. Stiff breeze from W.by S. Occasional showers squalls and lightning From 2 to 2.15 A.M. took second reef in T.G.sails Bay well from 3 A.M. Bar. falling Employed as before

Saml. C. Cloudy
Ensign

Moon's Palace 3d qr dec. N. 25°

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Capetown South Africa.

Hour.	Knots.	Fathoms	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Dep. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	5	E.by S.	N.E.by N.	7.8		29.75	56	50	50	54	b.c.g.	Cu. Nimb.	7	S	F.T.S. stay sail, close
2	6	0	E.by S. E.	"	7.8		29.70	56	49	49	54	c.g.n.	"	0	"	reefed topsails and
3	7	0	"	"	7.8		29.70	56	49	49	54	b.c.	"	8	"	foresail
4	7	5	"	"	6.7		29.67	56	49	49	54	"	"	5	"	
5	7	0	"	"	6.7		29.67	56	49	48	54	b.c.g.	"	4	R.	Double reefed topsails
6	7	0	"	"	6.7		29.67	56	49	49	55	"	"	2	"	foresail single reefed.
7	7	1/2	"	E.N.E.	6.7		29.67	56	49	49	55	"	"	3	"	Mainsail and F.T.M.
8	8	0	"	"	6.8		29.67	56	50	50	55	"	"	3	"	Staysail.
9	8	1/2	E.by E.	"	7.8		29.65	55	50	50	56	"	"	3	"	
10	9	8	"	"	6.9		29.68	55	51	50	57	"	"	3	"	
11	7	6	"	"	7.1		29.68	55	54	51	58	b.c.g.f.	"	4	"	Shortened sail to topsails and set jib.
Noon.	6	0	"	"	6.7		29.68	55	54	51	58	"	"	5	"	

Distance run by Log since preceding Noon — 184 knots 3 ~~fathoms~~ tenths

Latitude by D. R. at Noon — S 37 · 34 ·

Longitude by D. R. at Noon — E 6 · 42 ·

Latitude by Observation at Noon ⊙ — S 37 · 10 · 26 "

Longitude by Chronometer from Forenoon Observations ⊙ — E 6 · 42 ·

Sq 1417 Current during the time 1 knots 6 ~~fms.~~ tenths per hour setting to the N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at 8 AM. Lat. 37° 10' S Lng. 6° 4' E — W 30° 50'

Water expended during the preceding 24 hours — 286 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon — 1957

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon

Hour.	Knots.	Fathoms	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Dep. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	7	6	E.by S.	E.N.E.	6		29.68	56	54	51	58	b.c.	Cirr. Nimb.	4	R.	Let F.C. sail.
2	8	4	"	"	6		29.64	56	54	51	58	"	"	4	"	
3	9	1	"	"	6.7		29.67	56	54	51	58	b.c.g.f.	"	4	"	Furled F.T.Gsail.
4	10	1	"	"	6.7		29.66	56	54	51	58	"	"	4	"	
5	10	1/2	"	"	8.9		29.63	56	53	52	57	b.g.	"	0	"	For dimmstaysail, closed reefed topsails close
6	3	0	"	"	8.9		29.61	56	53	53	57	"	"	0	"	reefed foresail.
7	5	6	"	"	7.8		29.63	56	53	53	56	"	"	0	"	Same.
8	5	6	"	"	7.9		29.65	56	53	53	56	"	"	0	"	
9	1	1/2	E.by S. 1/2 E.	"	8.0		29.66	56	53	53	56	b.c.g.n.	"	3	"	Took in mainsail and fore topsail
10	1	1/2	E.by S. 1/2 S.E. by E.	"	8.0		29.71	56	53	53	56	"	"	4	"	Let storm Mizzen and Mizzen
11	1	1/2	"	"	8.9		29.71	57	53	53	56	"	"	1	"	staysail hauled down & stays
Mid.	1	1/2	"	"	8.9		29.73	54	57	51	56	b.g.	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude ⊙ observed at Sunset

Variation of the Compass by at

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday, October 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cold. Squally, ugly, threatening weather first part of watch; clearing up latter part. Fresh breeze to moderate gale from W. S. W. Barometer falling. Long heavy swell from S.W. Furled double reefing topsails, took close reef, hoisted U.S.N. staysail, hauled down jib. Got up spanker-boom. At 1.00 Changed course to S.E. by E. ½ E. Density 26

C. B. T. Moore
Ensign

4 to 8 A.M. Cloudy and squally. Cool. Drizzling rain at intervals during watch. Barometer steady. Blowing very fresh increasing at times to moderate gale from S.W. Sea rough, sitting to S.E. ½ E. At 7.00 shook one reef out of topsails, and set single reefed mainsail. One sail in sight at end of watch. Density of sea water 26.

C. K. Curtis
Lieut.

8 A.M. to Meridn. Cloudy. Squally. Light passing showers. Cum. Nimb. clouds. Very fresh wind from S.W. blowing in squalls. At 8.15 changed course to S.E. by E. At 10.30 shook one reef out of topsails and set jib. Ship under single reefed topsails, jib, fore topmast staysail and courses. On the course. Density of sea water 26.

L. P. Jarrett
Master

Meridn. to 4 P.M. Cloudy. Squally, and light passing showers. Cir. Cum. Nimb. clouds. Fresh to very fresh breezes from S.W. At 12.15 set T.G. sails. At 2.40 furled T.G. sails. At 3.45 sent down royal yards. Rough sea. Density 26. On course S.E. by E.

Edward Simpkins
Ensign

4 to 6 P.M. Overcast, cool and disagreeable. Squally. ~~Moderate~~ to ~~very fresh~~ Strong gale from S.W. Sea rough: Barometer falling. At 5.00 took close reef in topsails and foresail and furled mainsail. Hoisted fore storm staysail, and hauled down F.S.N. staysail. Got up spanker topsail sheets. Density 27.

C. B. T. Moore
Ensign.

6 to 8 P.M. Cloudy. Squally. Ugly. Disagreeable weather. Blowing a moderate ~~still~~ strong gale from S.W. Barometer rising slowly. Sea rough. At 6.45 sent down topgallant yards. At 7.20 started fires in 6 boilers. Density sea water 27.

C. K. Curtis
Lieut.

8 P.M. to Mid. Cloudy. Blowing fresh gale from S.W. At 8.10 took in foresail and fore topsail and laid to under close reefed main topsail, fore storm staysail, Mizzen storm staysail and storm mizzen. At 9.00 hauled down fore storm staysail. At 10.15 commenced steaming slowly under 6 boilers. Set fore storm staysail. Steam pressure 50 lbs. 25 revolutions. Density 26.

L. P. Jarrett
Master.

Moon's place, 3h 9m rt asc N. 27°

Examined and found to be correct.

Asa Walker,
Lt.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Rio de Janeiro, Brazil, to Capetown South Africa.

Hour.	Knots.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.															
1	4	SE. by E. 1/2 E.	S.W.	7-9		29.77	54	51	50	54	0.g.r.	Cir. Cum. Nimb.	0	R.	Close reefed M. Topsail, F.
2	Lying	W.	"	8-9		29.75	54	51	50	54	"	"	0	"	Trim staysail
3	"	"	"	8-9		29.77	54	51	50	54	"	"	0	"	
4	"	"	"	8-9		29.78	54	51	50	54	"	"	0	"	
5	"	S. E. by E.	"	8-10		29.75	54	51	50	54	0.g.	"	0	"	F. Trim staysail
6	"	"	S.W. by S.	8-10		29.74	54	50	49	54	"	"	0	"	M. " " "
7	"	S. E.	"	8-10		29.80	54	51	50	54	"	"	0	"	Trim mizzen
8	"	"	S. S. W.	8-10		29.83	54	51	50	54	"	"	0	"	
9	Lying to	"	"	7-8		29.87	54	51	50	54	"	"	0	"	Close reefed topsail,
10	"	"	"	7-8		29.91	54	51	49	54	"	"	0	"	foresail and fore
11	"	S. E. by E. 1/2 E.	S.W. by S.	6-8		29.91	54	51	49	54	"	"	0	"	storm staysail.
Noon.	3	5	"	6-8		29.92	54	51	50	54	"	"	0	"	

S. 36° 30' E. 8° 0'

Distance run by Log since preceding Noon	64 knots 4 tenths fathoms.
Latitude by D. R. at Noon	S 37 · 13 · "
Longitude by D. R. at Noon	E 8 · 1 · "
Latitude by Observation at Noon ⊙	S. 36 · 46 · 36 · "
Longitude by Chronometer from Forenoon Observations ⊙	E 8 · 15 · "
Current during the time knots fms. per hour setting to the	
Sep 14 17 Variation of the Compass by Amplitude ⊙ observed at Sunrise	· · "
Variation of the Compass by Azimuth ⊙ observed at	· · "
Water expended during the preceding 24 hours	316 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	1640 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

Hour.	Knots.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.															
1	3	8	S. E. by E.	S.W. by S.	6-7		29.92	54	51	50	54	b.c.g.	Cir. Cum. Nimb.	2	R.	Struck one reef out of topsail and foresail. Took in storm staysail. Set fore and mizzen T. sail. Staysail and set spanker. Crossed M. topsail. Set F. T. M. Staysail. Hauled down F. trim staysail.
2	4	7	"				29.92	65	57	58	54	"	"	1	"	
3	5	4	"	S. S. W.	6-7		29.92	66	57	51	53	"	"	4	"	
4	5	5	"	"	6-7		29.92	67	57	51	53	"	"	3	"	
5	5	0	"	"	6-7		29.92	67	57	51	53	"	"	2	"	Took in spanker.
6	4	0	"	"	6-7		29.94	67	57	51	53	"	"	2	"	F. T. M. Staysail double reefed topsail, single reefed foresail and M. topsail.
7	3	6	S. E. 1/2 E.	"	6-4		29.96	64	57	51	53	0.g.	"	0	"	
8	3	6	"	"	6-7		29.98	62	57	51	53	"	"	0	"	
9	3	0	"	S. W.	4-6		30.00	61	57	51	53	"	"	0	"	
10	3	0	"	"	5-7		30.01	59	57	51	50	55	"	"	0	"
11	3	7	"	"	4-6		30.01	59	57	50	53	"	"	0	"	
Mid.	3	3	"	"	3-6		30.02	59	57	51	50	53	"	"	0	"

S. 36° 40' E. 8° 57'

Longitude by Chronometer from Afternoon Observations ⊙	· · "
Longitude by Chronometer from Observations *	· · "
Variation of the Compass by Amplitude ⊙ observed at Sunset	· · "
Variation of the Compass by at	· · "

under the command of Commander W. S. Schley, U. S. Navy,

Wednesday, October 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast, gloomy, and squally. Occasionally blue sky and moonlight. Blowing fresh gale from S.W. Ship rolling through from 30° to 35°. Steam under six boilers, pressure 25 lbs. Engines turning over. Ship lying to on course S.E. by E. to S.E. by S.

Jas. Sharp.
Ensign

4. to 8 AM. Overcast and cold. Squally. Moderate to very strong gale from S.W. shifting during watch to S.S.W. Barometer rising rapidly. Sea rough, long heavy swell from S. Lying to heading S.E. by S. to S.E. by E. Fires in 6 boilers, engines turning over. At 5.30 burst feed pipe of the forward boilers and stopped engines and hauled fires under four boilers. Density sea water 26.

C. B. L. Moore
Ensign

8. AM. to Merid. Cloudy, squally. Ugly and disagreeable. Blowing a moderate gale at times from S.S.W. to S.W. by S. Barometer rising. Sea rough, setting to W.N.W. At 10.15 set close reefed fore topsail and foresail. Steam in four boilers. Density sea water 25. Lying to under fore staysail, fires banked, engines on course S. by E. & E. 7/8 E. at 10.18. Changed course at 12.00 to S. by E. 1/2 E.

C. K. Curtis
Lieut.

Merid. to 4 PM. Cloudy. Cool. Very fresh wind from S.S.W. Rough sea. At 1.30 shook out one reef in each of topsails and foresail and took in flying jib and jigger flying jib and set main topsail and spanker. At 3. hauled down fore staysail and set fore topmast staysail. Ship under double reefed topsails, single reefed foresail, fore topmast staysail, main topsail and spanker. Fires banked in four boilers. Steam pressure 30 lbs. Distilling. Barometer steady during watch. Density sea water 28.

L. P. Jarrett
Master

4. to 6 PM. Cloudy and cold. Fresh to very fresh wind from S.S.W. Fires banked under four boilers. Steam pressure 30 lbs. Distilling. At 5.30 took in spanker. Density 28. Rough sea. At 6 changed course to S. by E. 1/2 E. Rolling from 30° to 35°.

Jas. Sharp.
Ensign

6. to 8 PM. Overcast and squally. Fresh to very fresh breeze from S.S.W. Sea rough, long heavy swells from S. & W. Ship rolling and pitching heavily at times. Barometer rising slowly. At 6.5 Mustered at quarters. Density sea water 26.

C. B. L. Moore
Ensign

8 PM. to Mid. Cloudy. Squally. Moderate to stiff breeze with occasional fresh puffs from S.W. Barometer rising. Sea rough, setting to N. by E. Ship rolling and pitching considerable at times. Density sea water 26. Sea and wind moderating. Lying fore staysail. Fires banked in four boilers. Distilling.

C. K. Curtis
Lieut.

Moon's phase 3d 9h. Dec. N. 27°

Examined and found to be correct.

Rae Walker.
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape of Good Hope South Africa

Hour.	Knots.	Leeway. Points.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	2	SE½E	SW by S	3	E	30.02	57	81	80	84	Og	Cum Nimb	0	R	Ship under close reefed
2	2	7	"	"	3	E	30	56	81	80	84	"	"	1	"	topsails single reefed Forecourse
3	2	4	"	"	3	E	30	56	81	80	84	"	"	0	"	P.M. steering sail set
4	2	5	"	"	3	E	30	56	81	80	84	"	"	0	"	Mizen topsail
5	3	2	"	"	3	E	30	56	81	80	84	"	"	0	R	
6	2	2	"	"	3	E	30	56	81	80	85	O	"	0	"	Ship upright Forecourse
7	1	0	"	"	3	E	30	60	81	80	85	"	"	0	"	Set jib and spanker
8	2	0	"	"	2	E	30	60	81	80	85	"	"	0	"	
9	1	0	"	"	2	E	30	62	80	79	86	"	"	0	"	All Sail set close
10	1	0	"	"	2	E	30	61	82	81	86	Oc	"	1	"	reefed Courses and
11	2	0	"	"	2	E	30	60	82	81	87	O	"	0	"	Mizen Topmast staysail
Noon.	2		"	"	2	E	30	60	80	79	87	"	"	0	"	

Distance run by Log since preceding Noon 74 knots 3 tenths fathoms.

Latitude by D. R. at Noon S 36° 47' "

Longitude by D. R. at Noon E 9° 48' "

Latitude by Observation at Noon ⊙ S 36° 30' "

Longitude by Chronometer from Forenoon Observations ⊙ E 10° 29' "

Sep. 1818 Current during the time 1 knots ~~fms.~~ per hour setting to the N E by N

Variation of the Compass by Amplitude ⊙ observed at Sunrise " " "

Variation of the Compass by Azimuth ⊙ observed at " " "

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 700 "

Water remaining on hand fit for use at Noon 2040 "

Coal consumed during the preceding 24 hours " tons " lbs.

Coal remaining on hand at Noon " "

P. M.																
1	2	5	SE½E	SW	2	E	30	60	84	83	87	O	Cum Nimb	0	L	Same
2	2	0	"	"	2	E	30	60	84	83	87	Oc	"	1	"	
3	2	5	"	SW by S	2	E	30	60	84	83	87	"	"	1	"	
4	2	0	"	SW by W	2	E	30	60	84	83	87	"	"	1	"	
5	2	0	"	SW	2	E	30	59	83	83	87	"	"	1	"	
6	1	0	"	"	2	E	30	59	83	83	87	"	"	1	"	Single reefed Courses
7	1	6	"	"	1	E	30	59	83	83	87	"	"	1	"	Jibs and Spanker stowed
8	1	0	"	"	1	E	30	59	83	82	87	"	"	1	"	Set Jib and Mizen Top
9	0	0	"	"	1	E	30	59	83	82	87	"	"	5	"	mast staysail
10	0	2	"	"	1	E	30	59	83	82	89	"	"	1	"	
11	0	2	"	"	1	E	30	59	83	82	89	"	"	1	"	Jas F. Watson Quarter
Mid.	0	5	"	"	1	E	30	59	83	82	89	"	"	6	"	engineer Colored
																All well & Spoke

Longitude by Chronometer from Afternoon Observations ⊙ " " "

Longitude by Chronometer from Observations " " "

Variation of the Compass by Amplitude ⊙ observed at Sunset " " "

Variation of the Compass by at " " "

under the command of Commander W. Scott Schley, U. S. Navy,

Thursday October 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 M. Percept Coal Moderate to fresh breeze from W by S. Steering in gusts from W by S. Latter part Cloudy Pleasant moonlight. Sick, under charge medical officer. Exercised Sheet and Tiller. Employed Pleasant course. Fires banked in 2 boilers. Steam 20 lbs. Distilling. Quantity 27

L. P. Jewett
Master

From 4 to 8 M. Percept Coal Gentle to stiff breeze Steering in gusts from W by S. Latter part to light breeze at 7. Hand mustered at Quarters and Exercised at Sheet and Tiller. Hauled up Log. Employed. Fires banked in four boilers. Distilling. Log reeled from 8 P. Quantity 26

Saml C. Lemly
Ensign

From 8 to 12 M. to Meridian Percept Coal Light breeze from W by S. Bar steady. Set Thermometer & watch. Log reeled from 8 to 6 round. Loosed sails and made all plain sail to royals and mizen topmast staysail. Set fore and aft mainsail & Jib on course. Fires banked in two boilers. Distilling. Quantity 27

(at 9 time divided for 2 hours)

C. B. J. Moore
Ensign

From Meridian to 4 P. M. Cloudy. Coal. Light to gentle breeze from W by S. to W by W. Bar. nearly steady. Log reeled from 8 to 11 Fires banked in 2 boilers. Distilling. Quantity 27

C. K. Cowgill
Asst

From 4 to 8 P. M. Cloudy. Coal. Light breeze from W. Fair. Some thick clouds. Log reeled from 8 to 8 and 8 to 8. Sails under as before, and mizen topmast staysail. On course. Fires banked in 2 boilers. Steam 20 lbs pressure. 20 lbs. Distilling. Quantity 27

L. P. Jewett
Master

From 8 to 12 M. Cloudy. Coal. Pleasant. Light airs from W to W by S. Took in royals. Loosed royals and mizen topmast staysail. Fires banked in 2 boilers. Steam 20 lbs. Distilling. Quantity 27. Log reeled from 8 to 11.

Saml C. Lemly
Ensign

From 12 M. to Meridian Cloudy and Pleasant. Light airs from W. Log reeled from 8 to 6 and 6 to 8. Bar steady. Wind as before. Fires banked two boilers. Distilling. Quantity 27

C. B. J. Moore
Ensign

Moon's phase 3d 9h Dec N. 26°

Examined and found to be correct.

Asst Walker.
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Galena", 3 Rate, 6 Guns,

Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.													Cu/Cumb			
1	1	9	SSW½W	SW½S	0-1		30.14	58	54	54	59	C	5	0	S	Single reefed topsails & D/
2	2		"	"	1-2		30.14	58	54	54	59	"	"	0	"	eased jenneats & mainsail
3	2		"	"	1-2		30.14	58	54	54	59	"	"	0	"	mainsail & foremast clewed up
4	2		"	"	1-2		30.14	58	54	53	59	"	"	0	"	
5	2	11	"	W½N	3		30.10	58	54	53	59	Sc	"	1	"	Shook reefs out topsails
6	3	5	"	"	3		30.08	58	53	52	59	"	"	2	"	set stay sails & jib & N½W
7	3		"	"	3		30.14	57	53	52	59	"	"	6	"	clewed up & stowed sails
8	3		"	"	3		30.14	57	53	52	59	"	"	6	"	got topsails
9	2		"	"	1-2		30.14	57	53	52	59	"	"	8	"	
10	2		"	"	1-2		30.14	57	54	52	59	"	"	8	"	Reefed down sails & set jib
11	2	5	"	"	1-2		30.14	59	56	55	60	"	"	8	"	jib mainsail & fore sail
Noon.	3		"	"	2		30.14	59	66	55	60	"	"	8	"	Took in reefed topsails & all sail & parted company with

Distance run by Log since preceding Noon	114 knots	5 tenths fathoms.
Latitude by D. R. at Noon	S 36° 38'	"
Longitude by D. R. at Noon	E. 11° 23'	"
Latitude by Observation at Noon ⊙	S 36° 34'	"
Longitude by Chronometer from Forenoon Observations ⊙	E 11° 34'	"
Current during the time 0 knots 4 ~~tenths~~ per hour setting to the E.N.E.		
99.1418 Variation of the Compass by Amplitude ⊙ observed at Sunrise		"
Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat S 36° 33' Long E 11 22	W. 29° 30'	"
Water expended during the preceding 24 hours	230	gallons.
Water Condensed during the preceding 24 hours	890	"
Water remaining on hand fit for use at Noon	2700	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1	3	0	"	"	2		30.13	59	57	57	59	"	"	8	"	SW½W eased jib sheets
2	4	6	Course	"	2		30.12	59	57	57	59	"	"	4	"	and topsails
3	8	0	"	"	2		30.08	60	57	57	59	"	"	6	"	
4	8	6	"	"	2		30.09	61	57	57	58	"	"	5	"	
5	9	2	"	WSW	3		30.10	61	57	01	59	"	"	5	"	Same
6	9	0	"	"	3		30.10	61	56	55	59	"	"	4	"	
7	9	5	"	SW½W	3-4		30.10	60	56	56	60	"	"	4	"	
8	9		"	"	3-4		30.10	60	56	55	60	"	"	4	"	
9	8	8	"	SSW	3		30.13	60	55	54	60	"	"	2	"	Took in reefed topsails
10	8		"	"	2-3		30.13	60	55	54	60	"	"	1	"	
11	8		"	"	3		30.18	60	55	54	60	C	"	0	"	
Mid.	8		"	"	3		30.18	60	55	54	60	"	"	0	"	

S 36° 49'
E 12° 48'

Longitude by Chronometer from Afternoon Observations ⊙		
Longitude by Chronometer from Observations *		
Variation of the Compass by Amplitude ⊙ observed at Sunset		
Variation of the Compass by at		

under the command of Commander W. Scott Schley, U. S. Navy,

Friday Oct 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

John P. Dotham Jr. was Born. the Above Date

F. Chilcoat

Commenced A.M. Cloudy Cool Light to gentle breeze from W.S.W. Bar. Cloudy Sea smooth Pilot under employ rated 1st mate and took pilot vessel Friendly 27. At 230 took in mainsail and secured Fires banked in Boilers Distilling.

L. M. Knapp
Lieut

From 4 to 8 A.M. Cloudy First part Calm latter part variable Gentle breeze from W.S.W. Sun rose Hazy clouds At 530 shook reefs out topsails and set royals & fit double reefed mainsail and main Stay sail Sprung and got topsails Fires banked in the Boilers for 30 lbs Distilling Friendly 27.

L. P. Jarrett
Master

From 8 A.M. to Noon Cloudy and Pleasant Light and to light breeze from W.S.W. Air Sun Clouds At 8 changed course to SE by S At 8 1/2 Land Mount Sand Hook NW 1/2 W 2 1/2 lbs and made sail to foremast staysail At 9.15 spoke sch. Jersey Queen bound Babcock Fire & Slingerland and found to work 930 Parted and sent coal & provisions to the Comdr. at the onset. At 10.10 Placed Wm. Hoerner Ldg in solitary confinement & Bread and water for insolence, and disrespectful conduct by order Comdr. G. J. Rues Rd for leave to stay ashore Granted A.D. Leigh for writing in spirit log at 8 o'clock Check two hours extra duty Allan Christian for using improper language to Sent. Guard 24 hours extra duty two on and two off. By order of Cmdg Officer At 12 Hoisted mainsail and started Fires in additional Boilers At 4 to stopped distilling Friendly 27.

Jam. Smith
Engineer

Moored to P.M. Cloudy and Pleasant Light breeze from W.S.W. At 1.45 changed ends to E by S and started ahead with steam in 6 boilers At 2 Sandy Hook Fires in and Parted 2 Bowsers and supply Steamer Friendly 27.

C. B. J. Moore
Engineer

From 4 to 6 P.M. Cloudy Cool Gentle breeze from W.S.W. Bar cloudy Sea smooth At 5.20 set forward Steam in 6 boilers At 5 P.M. Rec. Friendly 27.

L. M. Knapp
Lieut

From 6 to 8 P.M. Cloudy Pleasant Gentle to moderate breeze from W.S.W. Sun Clouds clouds At 6.15 Telegraphed at Quarantine At 6.30 Took supply of Coal & provisions Steam in 6 boilers At 8 P.M. 40 lbs Rec. Friendly 27.

L. P. Jarrett
Master

From 8 P.M. to Midt. Cloudy and Pleasant Light to gentle breeze from S.S.W. Steaming Rec 50. 49. 46. 46. At 8 P.M. 40 lbs. Friendly 28. Bar cloudy.

Jam. Smith
Engineer

Moon's phase 3rd qr. dec. N. 23°

Examined and found to be correct.

Chas Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making a passage from Rio de Janeiro Brazil to Cape Town S. Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	5	Ebb S.	S. W by W.	4		30-10	60	57	57	60	c	Cum Nimb.	0	D.	F. T. M. staysail,
2	9	0	"	"	3-4		30-10	60	57	57	60	"	"	0	"	foresail may be reefed
3	8	6	"	"	4		30-09	60	56	55	61	"	"	0	"	topsail
4	8	6	"	"	3-4		30-08	60	56	55	61	o.c.	"	0	"	
5	8	5	"	W.	3-4		30-08	60	56	56	61	o.c.	"	0	"	
6	8	5	"	S. W.	4		30-12	59	57	56	61	c.	"	0	"	Same
7	8	4	"	W.	3-4		30-14	60	57	56	61	c	"	0	"	
8	8	5	"	W. by S.	3-4		30-15	60	58	57	61	"	"	0	"	
9	9	0	"	"	4		30-14	60	59	58	61	b.c.	"	8	"	
10	8	0	"	"	1		30-15	60	59	59	61	"	"	1	"	
11	8	0	"	"	0-1		30-15	61	61	61	61	"	"	2	"	Same
Noon.	6	2	"	"	1-2		30-15	61	61	60	61	c.p.	"	2	4	

Distance run by Log since preceding Noon 194 knots 1 tenths fathoms.

Latitude by D. R. at Noon S. 35 . 35 . "

Longitude by D. R. at Noon E 15 . 22 . "

Latitude by Observation at Noon ⊙ S 35 . 34 . 20 "

Longitude by Chronometer from Forenoon Observations ⊙ E 15 . 29 . 30 "

Current during the time knots fms. per hour setting to the

Sy 1419 Variation of the Compass by Amplitude ⊙ observed at Sunrise . . "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat S. 35° 45' Long E. 16° 50' W 31° 15 "

Water expended during the preceding 24 hours 220 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2470 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	6	0	E by S.	W.	4		30-15	62	61	60	61	b.c.	Cir. Cum.	4	S.	Fore & Main Topsail Fore & Aft Staysail
2	8	0	E 1/4 S.	"	0-1		30-15	62	61	60	60	"	"	0	"	
3	8	0	"	N. by W.	1-2		30-15	62	61	60	61	"	"	2	"	
4	8	0	"	"	1-2		30-15	62	61	60	61	"	"	2	"	
5	7	5	"	S. S. W.	1-2		30-12	63	61	61	60	"	"	9	"	
6	8	5	"	"	1-2		30-10	64	61	60	60	"	"	4	"	
7	8	0	"	S. W.	2		30-10	64	61	59	60	"	"	5	"	
8	8	0	"	"	2		30-15	64	60	59	60	"	"	4	"	Foresail
9	8	8	E 1/4 S.	"	1-2		30-15	63	60	59	60	"	"	4	"	Under
10	9	0	"	"	0		30-15	63	60	59	60	c.	"	0	"	
11	8	6	"	"	3		30-15	63	60	59	60	"	"	0	"	foresail
Mid.	8	5	"	"	4		30-15	63	60	59	60	"	"	0	"	

Sy 1350 + 3' 45" 16° 38'

Longitude by Chronometer from Afternoon Observations ⊙ . . "

Longitude by Chronometer from Observations * . . "

Variation of the Compass by Amplitude ⊙ observed at Sunset . . "

Variation of the Compass by at . . "

under the command of Commander N. S. Ashley, U. S. Navy,

Saturday October 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast and cool. Moderate to stiff breeze from S.W. by W. Barometer falling slowly. Sprinkling rain latter part of watch. Steaming with six boilers. Av. pressure 25 lbs. Rev. 47. Density sea water 27.

C. B. J. Moore
Ensign

4 to 8 AM. Cloudy. Cool. Drizzling rain first part of watch. Latter to moderate breeze from W. & W.S.W. Barometer rising. Sea smooth. Steaming with six boilers. Av. pressure 28 lbs. Rev. 47. Density sea water 26.

Le. K. Lewis
Lieut.

8 AM. to Mid. Cloudy. Drizzling rain last hour. Moderate breeze from W.S.W. Cum. Nimb. clouds. Ship on the course under single reefed topsails, foresail and fore topmast staysail. Steaming under six boilers. Av. St. pressure 40 lbs. Revolutions 48. Density of sea water 26.

L. P. Jarrett
Master

Mid. to 4 PM. Cloudy and pleasant. Light airs from W.S.W., latter part from W.N.W. Clouds cir. cir. cum. At 12.15 changed course to E. 1/4 S. At 12.30 furled foresail. Topsails with single reef, hauled down and stowed for topmast staysail. At 2.05 the quarterly board of Survey convened. Condemned 67½ lbs. pickles, and were thrown overboard by order of Executive Officer.

Geo. C. Seely
Ensign

4 to 6 PM. Cloudy and pleasant. Light breeze from S.S.W. Steaming with six boilers, on course E. 1/4 S. Av. Steam pressure 45 lbs. Rev. 46. Density sea water 26. Bending chains.

C. B. J. Moore
Ensign

6 to 8 PM. Cloudy. Pleasant. Wind light from S.W. Barometer rising. Sea smooth. At 7 set foresail. Got up and bent both bower chains. Steam in 6 boilers. Av. pressure 45 lbs. Rev. 47. Density sea water 27.

Le. K. Lewis
Lieut.

8 PM. to Mid. Overcast. Pleasant. Gentle breeze from S.W. At 8.15 changed course to E. 1/4 N. Steaming under six boilers. Av. St. pressure 45 lbs. Rev. 50. Density sea water 27.

L. P. Jarrett
Master

Moon's phase last qr. Dec. N. 26

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Galatea, 3 Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	5	S1/2W	South	0-1		30.15	62	60	59	63	bc	Cir Cumu	2	S	Foresail Driver Jibs forward
2	8	6	"	SSE	0-1		30.15	62	60	59	63	"	"	2	"	
3	8	2	"	"	1		30.15	62	60	59	60	"	"	2	"	
4	8	0	"	ESE	1		30.15	62	60	59	63	"	"	2	"	
5	7	5	"	"	1		30.13	62	61	60	63	"	"	1	"	
6	7	6	"	"	1		30.13	62	61	60	63	"	"	0	"	
7			"	"	1		30.14	61	61	60	63	bc	"	0	"	
8	Steaming into Table			"	1		30.14	61	61	60	63	"	"	0	"	
9	Bay in charge of Pilot		ESE	"	2		30.14	61	61	60	63	"	"	0	"	
10			S1/2W	"	2		30.14	61	62	61	63	"	"	0	"	
11	Steaming into anchorage		"	"	2		30.15	62	63	61		bc	Cir Cumu Nimb	2	"	
Noon.			S1/2W	"	3		30.11	63	64	62		"	"	2	"	

	knots	fathoms.
Distance run by Log since preceding Noon		
Latitude by D. R. at Noon		
Longitude by D. R. at Noon		
Latitude by Observation at Noon ⊙		
Longitude by Chronometer from Forenoon Observations ⊙		
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise		
Variation of the Compass by Azimuth ⊙ observed at		
Water expended during the preceding 24 hours	210 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	2230 "	
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Sep. 1885

P. M.												
1	SE by S	WSW	3	30.10	64	64	62	bc	Cir Cumu Nimb	3	S	
2	"	"	3	30.10	64	66	62	"	"	4	"	
3	S	SW	3-4	30.08	65	66	62	"	"	7	"	
4	"	"	3-4	30.08	65	66	63	"	"	7	"	
5	"	"	3-4	30.08	65	66	64	"	"	7	"	
6	"	"	3-4	30.08	65	64	62	"	"	8	"	
7	"	"	3	30.08	65	62	61	"	"	9	"	
8	SSW		1-2	30.06	64	61	60	"	"	9	"	
9	S		0-1	30.06	64	61	60	"	"	9	"	
10	SSE		0-1	30.06	63	60	60	"	"	8	"	
11	SE	Calm	0	30.06	63	60	60	"	"	1	"	
Mid.		"	0	30.06	61	60	60	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙			
Longitude by Chronometer from Observations			
Variation of the Compass by Amplitude ⊙ observed at Sunset			
Variation of the Compass by at			

under the command of Commander W. Scott Lindsay, U. S. Navy,

Sunday, October 26th, 18 8 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended with Cloudy and Pleasant Light airs from E to E by S At 9 moored ship as requisite Mooring light two points on Starboard Fore Bower only for Spanish Yard Steaming under expired Average for 6 hrs Dist 7.50 Mg. Mg. Diurnal 29.

Wm. C. Lindsay
Captain

From 4 to 8 M. Pleasant and Pleasant Light airs from E to E by S Steaming into Table Bay with Colours under charge of Cloudy Prize Sloop Flirt for 6 hrs Dist 15 Diurnal 29 At 11.10 made land ahead and on Starboard bow.

C. B. J. Moore.
Ensign

From 8 to 12 M. to Wind Cloudy Pleasant Light breeze from E by S and Hoisted Pilot Jack as called all Hands Unmoored ship to anchor At 9 h 5 came to in 4 1/2 fms water veered to 15 fms chain Breakwater N 3/4 W. Lions Head N 3/4 E. Draught fwd 8 ft. Amidships 14 ft 9 in Aft 14 ft. 9 in Rooked fwd 4 fms bolts

Lo. K. Curtis
Lieut.

Main to 4 M. Clear Cool Pleasant Gentle to moderate breeze from N by E Hazy at times Cloudy Ship riding to the wind Fires banked in 4 boilers At 9 hrs 0 lbs

L. P. Jarrett
Master

From 4 to 8 M. Clear Cool Pleasant Light to gentle breeze from N by E Performing Cloudy fine smooth Sundown sent down Light Yards ambient light Fires banked in 4 boilers Pressure 0 lbs

Lo. K. Curtis
Lieut.

From 8 to 12 M. to Main Clear Cool Light airs from N by E at first Calm last part Gentle fine Hazy at times Cloudy At 9 evening Fires banked in 4 boilers Steam pressure 0 lbs

L. P. Jarrett
Master

Moon's phase last qr dec N. 15°

Examined and found to be correct.

Wm Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			½ ⊗	Calm	0		30.00	62	60	60		⊗	Cu Cu Cm	4	S	
2			"	"	0		30.00	62	60	60		"	"	1	"	
3			⊗	"	0		29.98	62	60	59		"	"	1	"	
4			½ ½ ⊗	"	0		29.96	62	60	59		"	"	1	"	
5			½	½	0-1		29.96	62	60	59		"	"	2	"	
6			½ ½ Ht	½ ½ Ht	1-2		29.98	62	60	59		"	"	2	"	
7			"	"	1-2		29.98	62	60	59		0	"	1	"	
8			"	"	1-2		29.99	62	60	59		"	"	6	"	
9			"	"	1-2		29.97	62	62	59		⊗	"	5	"	
10			"	"	1-2		29.96	62	62	61		"	"	5	"	
11			"	"	1-2		29.96	63	64	63		"	"	7	"	
Noon.	Underway		"	"	1-2		29.95	64	64	64		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° — ′ — ″

Longitude by D. R. at Noon — ° — ′ — ″

Latitude by Observation at Noon ⊙ — ° — ′ — ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° — ′ — ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° — ′ — ″

Variation of the Compass by Azimuth ⊙ observed at — ° — ′ — ″

Water expended during the preceding 24 hours — 230 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			Secured	N by E	2-3		29.95	64	67	66		⊗	Cu Cu Cm	8	S	
2			to dock at	"	2-3		29.95	64	67	66		"	"	8	"	
3			Cape Town	"	3-4		29.93	64	67	66		"	"	8	"	
4			"	"	4-5		29.94	64	67	66		"	"	8	"	
5			"	"	4		29.96	64	67	65		"	"	6	"	
6			"	"	4		29.90	64	64	63		"	"	3	"	
7			"	"	4		29.90	64	62	60		"	"	4	"	
8			"	"	4		29.90	64	62	60		"	"	5	"	
9			"	"	2-3		29.92	64	6[illegible]	60		"	"	4	"	
10			"	"	2-3		29.92	64	60	60		"	"	4	"	
11			"	"	2-3		29.92	64	60	60		"	"	4	"	
Mid.			"	"	2-3		29.92	64	60	60		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° — ′ — ″

Longitude by Chronometer from Observations — ° — ′ — ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° — ′ — ″

Variation of the Compass by — at — ° — ′ — ″

under the command of Commander W. Scott Schley, U. S. Navy,

Monday October 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended P.M. Cloudy Cool Calm Carpenter & crew employed Fires banked in 4 boilers No steam required

L. M. Keyser
Lieut

From 4 to 8 P.M. Cloudy and Pleasant Light breeze from N.E. and N. At 7.00 coasting steamer came in and moored in dock. Executed morning order Fires banked in 4 boilers No steam required

Benj. Lindsey
Carpr

From 8 to 12 Midnt Clear Pleasant Light breeze from N.E. by N. Rigged in jib and flying jib boom. At 11 got underway and stood into the dock & N. E. Docked foot to dock Steam in 4 boilers

L. P. Jouett
Cadet

From Midnt to 4 A.M. Clear and Pleasant Light to still breeze from N. by E. Crew engaged in further securing ship to dock At 2 h 15 m Hauled fires Loaded 2 more shot Put cover on muzzle At 3 shut down P.M. master in order to overhaul & unrig royal rigging

Benj. Lindsey
Carpr

From 4 to 8 P.M. Cloudy Pleasant Moderate breeze from N.E. for first Hour Cloudy Overhauling & unrig royal rigging

L. P. Jouett
Cadet

From 8 P.M. to Midnt Cloudy Clear and Pleasant Light Zephyr breeze from N. by E. Fair & cool Clouds

Benj. Lindsey
Carpr

Moon's phase last quarter N. 9°

Examined and found to be correct.

Asa Walker.
Lieut

Navigator.

LOG of the UNITED STATES Steamer Eagle, 3 Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1				VbV	4		29.90	64	60	60		bc	Cu/Cus	0	S	
2				"	4-5		29.90	64	60	60		c	-	0	"	
3				"	4-5		29.89	64	60	60		o/c	-	0	"	
4				"	4-5		29.88	64	60	60		c	-	0	"	
5				V	4		29.88	64	66	66		o/c	-	0	"	
6				VbV	4		29.90	64	59	58		c	-	0	"	
7				VbV	3		29.89	64	59	58		bc	-	2	"	
8				Vb	4		29.89	61	59	58		c	-	0	"	
9				"	4		29.88	61	60	58		"	-	0	"	
10				"	4		29.88	61	60	58		"	-	0	"	
11				VbV	4-6		29.88	61	60	58		"	-	0	"	
Noon.				"	4-6		29.88	61	60	58		"	-	6		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	320 gallons.		
Water during the preceding 24 hours	"		
Water remaining on hand fit for use at Noon	1680 "		
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1				VbV	2		29.89	61	60	59		c	"	0	S	
2				"	2		29.90	62	61	61		"	-	0	"	
3				Vb	4		29.90	63	62	61		bc	-	6	"	
4				VbV	4		29.91	63	63	61		c	-	8	"	
5				"	4		29.93	63	62	60		"	-	6	"	
6				"	4		29.94	62	60	60		"	-	6	"	
7				"	3-4		29.94	61	60	60		"	-	6	"	
8				"	3-4		29.94	61	60	60		o/c	-	0	"	
9				VbV	1		29.94	61	60	60		bc	-	9	"	
10				"	1		29.96	61	60	60		"	-	2	"	
11				"	2		29.96	61	60	60		"	-	1	"	
Mid.				"	2		29.96	61	60	59		o/c	-	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander H. Scott Ashley, U. S. Navy,

Tuesday Oct 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced with A.M. Pleasant passing shower latter part of watch. Moderate to light breeze from N.N.W. Cloudy Finished Cloudy

L. P. Jewett
Master

From 4 to 8 A.M. Cloudy and Pleasant Moderate breeze from N.by W. to N.N.E Light passing shower of rain first two hours of watch. Received fresh provisions for week

L. B. T. Moore
Ensign

From 8 A.M. to Meridian Pleasant and Pleasant Moderate breeze from N. Latter part squally and rainy Moderate to fresh breeze from N.W. Crew employed in overhauling and refitting Standing rigging and Sending up outside Bowsprit Steady

Lam. Leydecker
Ensign

Meridian to 4 P.M. Pleasant first part of watch Clear latter part Light to moderate breeze from N.N.W. to W. At work refitting R.R. Rigging and removing spar-ballast on Lower rigging

L. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and Pleasant Latter part squally Variable to Moderate breeze from W.

Lam. Leydecker
Ensign

From 8 P.M. to Midnight Cloudy and cool Light airs to light breeze from N.N.W. Barometer steady last three hours of watch. Light sprinkling of rain last hour of watch

Ensign
L. B. T. Moore

Moon's phase last qr Dec. N. 2°

Examined and found to be correct.

A. Walker,
Lieut

Navigator.

LOG of the UNITED STATES Steamer Eagle, 3 Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Units.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.													Cir Cum			
1				N N E	4 6		29.94	61	59	59		Cg p	Nimb	0	S.	
2				"	4 6		29.92	60	59	59		"	"	0	"	
3				"	4 6		29.90	60	58	58		"	"	0	"	
4				"	4 6		29.88	60	58	58		"	"	0	"	
5				North	4 6		29.90	60	58	58		"	"	0	"	
6				"	4 6		29.90	60	58	58		"	"	0	"	
7				"	4 6		29.90	60	58	57		bcg	"	2	"	
8				"	4 6		29.91	59	58	58		bcfg	"	2	"	
9				"	4		29.89	60	60	60		bc	"	2	"	
10				"	5		29.88	60	62	60		"	"	4	"	
11				North East	5		29.86	61	68	67		"	"	1	"	
Noon.				"	5 6		29.85	61	63	62		"	"	1	"	

Distance run by Log since preceding Noon		knots	fathoms.
Latitude by D. R. at Noon		°	′ ″
Longitude by D. R. at Noon		°	′ ″
Latitude by Observation at Noon ⊙		°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙		°	′ ″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise		°	′ ″
Variation of the Compass by Azimuth ⊙ observed at		°	′ ″
Water expended during the preceding 24 hours		800	gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon		1380	"
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon		"	"

P. M.																
1				N by E	5 6		29.82	61	61	60		bcg	Cir Cum Nimb	1	S	
2				"	5 6		29.80	61	61	60		"	"	1	"	
3				"	5 6		29.78	61	61	59		"	"	1	"	
4				"	5 6		29.78	61	60	59		bcfg	"	1	"	
5				N	5 6		29.78	61	60	59		bg	"	0	"	
6				"	5 6		29.78	61	60	59		"	"	0	"	
7				North East	5 6		29.76	61	60	59		"	"	0	"	
8				"	5 6		29.76	61	60	59		ogN	"	0	"	
9				"	5 6		29.76	61	60	59		"	"	0	"	
10				"	5 7		29.75	61	60	59		"	"	0	"	
11				"	5 7		29.75	61	60	59		"	"	0	"	
Mid.				"	5 7		29.75	61	60	59		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙		°	′ ″
Longitude by Chronometer from Observations		°	′ ″
Variation of the Compass by Amplitude ⊙ observed at Sunset		°	′ ″
Variation of the Compass by	at	°	′ ″

under the command of Commander W. Scott Ashley, U. S. Navy,

Tuesday October 22nd 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends Pleasant & Agreeable Moderate to fresh breezes from N.N.E. & Cloudy
Sent in equalls Crossing sights

Samuel Smith
Captain

From 4 to 8 A.M. Pleasant Disagreeable Moderate to fresh breeze from N. Crossing rain squalls
English Eleanor Cargo came in Signals Sent Officer to English took Men Provs with Officers & assistance

S. P. Smith
Master

From 8 A.M. to Meridian Cloudy and Pleasant Moderate to fresh breeze from N and N by W. Bar falling Steady
At 10 A.M. D. Buchan deserted from Genesee Received in Equipt. Dept. cords 8 Thwart Cutlines
Stuff and 8 cart loads of wood At work setting down rigging.

C. B. T. Moore
Ensign

Begins to 4 P.M. Cloudy Disagreeable Crossing rain squalls Wind fresh & in puffs
from N. by W. Barometer falling Crew at work on rigging English Eleanor Damer went to sea

W. B. Hammon
Midshipman

From 4 to 8 P.M. Pleasant and Pleasant Still to fresh breeze from N and N. by W. Barometer
falling slowly & steady last two hours Ugly threatening weather Latter part of watch

C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy Ugly Disagreable & stormy breeze with very poor in puffs from N by W.
Bar. steady last part of watch Crossing rain

W. B. Hammon
Midshipman

Moon's phase last qr dec. 8 4°

Examined and found to be correct.

Wal Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 2 Rate, 6 Guns,

Capt. Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURES. Air Dry Bulb.	TEMPERATURES. Air Wet Bulb.	TEMPERATURES. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1				NbyW	6-7		29.83	60	60	59		o/c	Cirbus	0	S.	
2				"	6-7		29.85	60	60	59		o/c	"	0	"	
3				"	6		29.86	60	60	59		o/c	"	0	"	
4				"	5.6		29.85	60	60	59		fc	"	8	"	
5				"	6		29.85	60	59	59		"	"	2	"	
6				NbyW	6		29.86	60	58	58		o/c	"	0	"	
7				"	6		29.86	60	59	58		fc	"	4	"	
8				"	6		29.85	60	59	58		"	"	6	"	
9				"	3-4		29.90	60	59	57		fc	"	3	"	
10				"	3-4		29.96	60	59	60		fc	"	3	"	
11				"	3-4		29.92	61	60	60		"	"	3	"	
Noon.				"	3-4		29.93	61	60	60		"	"	2	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observation at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 280 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1700 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

P. M.																
1				"	6		29.95	62	62	60		fc	"	3	D.	
2				"	6		29.95	62	62	60		"	"	4		
3				"	6		29.96	62	62	60		"	"	2		
4				"	6		29.97	62	62	61		"	"	2		
5				"	4-5		29.98	62	61	59		"	"	2		
6				"	4-5		29.95	62	61	59		"	"	2		
7				"	4-5		29.98	62	61	60		"	"	2		
8				"	4-5		30.00	62	60	60		"	"	2		
9				"	5.6		30.01	62	60	59		O	"	O		
10				"	5.6		30.01	62	61	59		"	"	0		
11				"	5.6		30.01	61	60	59		fc	"	1		
Mid.				"	5.6		30.01	61	60	59		"	"	1		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander H. Scott Schley, U. S. Navy,

Thursday Oct 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended All Cloudy and cool Kglay last hour of watch Left to very fresh breeze from N by E. & quality Bar rainy cloudy Passing showers of rain First 3 hours of watch

T. A. Griffin,
Midshipman

From 4 to 8 AM Cloudy Cool Fresh NEly breeze Cum Kind clouds Passing showers Reed fresh provisions for week.

L. P. Jewett
Master

From 8 AM to Meridian Pleasant Cool Wind moderate from NNE Barometer rising At 9 20 punished crew Discharging men about with bad Wm Baker and D. Spellman Walter Edwards Mark M. Parnell PM Punished with bad language Dr. Geo Astor suspended from duty for being absent without leave by order of Lieut.

W. H. Hammond
Master

From Meridian to 8 PM Cloudy Cool Fresh breeze from NNW Cum Kind clouds Passing ship outside Received on board 24 gals whiskey 2 gals brandy 10 lbs sugar 4 lbs tea 1/2 ream No 4 paper 1/2 ream letter paper 1 box glass 6 pen holders 2 gal water at 1

L. P. Jewett
Master

From 4 to 8 PM Cloudy Cool Moderate breeze from NNE Bar rising Passing rain last hour of watch Employed Engineer Department coaling ship

W. H. Hammond
Master

From 8 PM to Mid Cloudy Cool Fresh breeze from NNE breeze Cum Kind clouds Light sprinkling rain

L. P. Jewett
Master

Noons place last yr obs. S. 11°

Examined and found to be correct.

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURES. Air Dry Bulb.	TEMPERATURES. Air Wet Bulb.	TEMPERATURES. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1					3-4		29.98	63	60	60		bc	Cir Cust	2	D.	
2					3-4		29.96	63	60	60		"	"	2	"	
3					3-4		29.95	63	60	60		"	"	2	"	
4					3-4		29.95	63	60	60		"	"	2	"	
5					3-4		29.96	61	58	58		"	"	2	"	
6					3-4		29.95	61	58	58		bz	"	0	"	
7					2-3		29.97	61	60	58		"	"	0	"	
8					2-3		29.97	61	60	58		"	"	0	"	
9					4-5		29.98	62	61	60		bc	"	0	"	
10					4-5		29.95	62	62	62		"	"	7	"	
11					5-6		29.95	62	62	62		"	"	8	"	
Noon.					6		29.98	63	62	62		"	"	3	"	

	knots	fathoms.
Distance run by Log since preceding Noon		
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ☉	°	′ ″
Longitude by Chronometer from Forenoon Observations ☉	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ☉ observed at	°	′ ″
Water expended during the preceding 24 hours		gallons.
Water received during the preceding 24 hours	1950	"
Water remaining on hand fit for use at Noon	2700	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1					6		29.96	63	63	62		bc	"	0	D.	
2					6		29.96	63	63	62		"	"	0		
3					6		29.96	63	62	61		"	"	0		
4					6		29.96	63	62	61		"	"	0		
5					6		29.96	63	62	61		bz	"	1		
6					6		29.96	63	61	60		"	"	2		
7					6		29.97	64	61	60		"	"	1		
8					6		29.95	63	61	60		"	"	2		
9					5		30.00	63	61	60		bc	"	0		
10					5		30.00	63	61	60		"	"	0		
11					6		30.00	63	61	60		"	"	0		
Mid.					6		30.00	63	60	60		"	"	1		

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. Scott Schley, U. S. Navy,

Friday P.M. to 25 , 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced with All Overcast Fresh Moderate breeze from N Bar falling Light water at 2.30 N.B. Hammm. Mids

From 4 to 8 A.M. Overcast and Hazy Moderate to light breeze from N.W. At 7.20 Pacific mail Steamer got underway stood out bound Received crew and joined H.M.S. Blake Mail aboard over Time. W.m Baker and Daniel Kelly Ord. Sea. were confined without irons to await action of Courts Officer aboard without leave. Edwd Lynch Ensign

From 8 A.M. to 12 Noon Cloudy Fresh breeze from N.W. to Noon Hazy clouds Passed out promptly running out Liberty Party on shore Flood tide Daniel Kelly Ord. Sea. and W.m Baker Ord. Sea. were placed in irons for leaving ship without permission Received on board 1900 gals fresh water L. P. Jouett Master

From Noon to P.M. Cloudy Cool Moderate to fresh breeze from N.W. by N Hazy & very cloudy Bar steady Edwd Lynch Ensign

From 4 to 8 P.M. Cloudy Cool Fresh N.W. by N breeze Hazy Hazy clouds Called Hagan Ord. Seaman into irons for being drunk and disorderly. Low water at 6.40 English Mail Steamer came in from England L. P. Jouett Master

From 8 P.M. to Mid. Overcast and cloudy with fresh wind from N.W. Both and Hby 2 Bar steady At 8.15 Ord. Seaman Boyd M.C. relieved Officer of W.m Baker Ord. Sea. who was in irons 1 hour Off. called all hands and mustered crew. Following men absent without leave to Revd John Bellows John Hall Fred Watson O.S. and Geo P. Adams (O.S.) By order of Captain Edwd Lynch Ensign W.m Baker Ord. Sea. was confined in double irons for safe keeping having drunk & disorderly. Emptied mail & steamer sent to sea

Moon's phase 1st Qr Dec 8 17°.

Examined and found to be correct.

Chas Walker Lieut.

Navigator.

LOG of the UNITED STATES Steamer Ohio, , 8 Rate, 6 Guns,

Off Town South Africa.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1				N.N.O	1		29.99	63	60	60		0	Cirro Nimb.	0	2	
2				"	1-2		29.98	63	60	60		"	"	0	"	
3				"	1		29.97	63	59	60		"	"	0	"	
4				"	1/		29.96	63	59	60		07	"	0	"	
5				"	3-4		29.98	62	59	60		0	"	0	"	
6				"	1-2		29.99	62	59	60		"	"	0	"	
7				"	3-4		30.00	62	59	60		"	"	0	"	
8				"	3		30.02	63	59	60		"	"	0	"	
9				"	4		30.00	63	61	61		"	"	0	"	
10				"	4		30.00	63	63	63		4c	"	0	"	
11				N	3		30.01	66	64	64		"	"	1	"	
Noon.				"	3		30.01	63	64	64		"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observation at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 250 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2600 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.																
1				NNW	4		30.00	63	64	64		0	"	0	2	
2				"	4-5		30.00	63	63	63		"	"	0	"	
3				N W	4		30.00	63	63	63		4c	Ci Cum	2	"	
4				"	3		30.00	63	63	63		"	"	4	"	
5				NW by W	3		30.01	63	64	64		"	Ci Cum	6	"	
6				W.N.W	2		30.02	63	63	63		"	"	5	"	
7				"	2		30.02	62	63	63		"	"	7	"	
8				"	2		30.00	62	62	62		"	"	8	"	
9				N by W	2		29.99	62	62	62		"	"	8	"	
10				"	1		29.99	62	62	62		"	"	8	"	
11				"	1		29.99	65	62	62		"	"	8	"	
Mid.				N.N.O.	2		29.98	68	62	62		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. L. Maury, U. S. Navy,

Saturday Oct 26th, 18[illegible].

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4h A.M. Cor Cat, Drizzling rain Last hour Calm Wm, cloudy, Very fresh breeze from N.N.E. blowing in squalls, High water at 2 P.M. Wm Barker Sea, remained on board and was confined in single irons.

L. P. Jewett

Overcast Cold and Stiff breeze from N.N.E. moderating to gentle breeze latter part of Last P.M. Ord Eng. English steamer Warwick Castle came into the dock. Low water at 3 P.M.

C. B. T. Moore
Ensign

1 to 8 P.M. Mixed - Cloudy but pleasant - Moderate to gentle breeze from N.N.E and N. Flood Tide Ord 9.18 minutes at quarter George F. Adams (Pilot Mar.) W. O. Blake, Mach John Hall Ord 9" ebbs O. J. Owens Ord, George H. Kahn (Ord 2 obs) and John Fuline (Ord.) absent without Leave, Sent a reward of $10 each for their apprehension and delivery on board, O. J. Rooney (Ord) was released from confinement and restored to duty. By order of the Comds Officer, At noon W. O. Blake Mach returned on board, An English Commander made official call on Comds Officer in behalf of Commodore Julian commanding English naval Forces on this Station,

L. P. Jewett
Ensign

Mixed to 4" P.M. Clear and pleasant, Light to gentle breeze from N.N.W to N. Ben steady, Sent Liberty party on shore,

C. B. T. Moore
Ensign

4 to 8. P.M. Clear and pleasant to light breeze from N.W. by W. and N.N.W. Ebb tide, By order of the Comds Officer J. G. Johns Ord, was confined in double irons to await Trial by Court Martial for smuggling Liquor.

L. P. Jewett Master

From 8" P.M. to Mid Clear and Cool, light breeze Squalls from N. by W. to N.N.E. W. & Variable Ord 2 C. detected primarily from the ships without leave, Low water at 8" A.M. O. J. Owens Ord, G. H. Kahn and John Hall Ord 2 obs returned to the ships.

C. B. T. Moore
Ensign

Moon's phase 1st qr. S. 22°

Examined and found to be correct.

Chas Parker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate, 6 Guns,

Capetown South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S by W.	S.S.E.	3		29.96	62	61	61		bc	Cir Cum Nim	4	S.	
2			"	"	3		29.94	62	61	61		"	"	6	"	
3			"	S.S.E.	2		29.94	62	61	61		"	"	6	"	
4			"	"	2		29.93	62	61	61		"	"	5	"	
5			"	"	2		29.92	62	60	60		"	"	3	"	
6			"	"	2		29.90	64	60	60		"	"	3	"	
7			"	"	2		29.92	64	60	60		"	"	2	"	
8			"	S.	2		29.92	64	61	61		"	"	1	"	
9			"	S. by E.	2		29.92	64	62	62		0	"	0	"	
10			"	"	2		29.91	64	63	63		"	"	0	"	
11			"	"	3		29.90	64	63	63		"	"	0	"	
Noon.			"	S by W	4		29.89	65	65	64		"	"	0	"	

P. M.			S by W.	S.	3		29.87	65	64	63		0.T.	Cir Cum Nim	8	S	
1			"	"	3		29.85	65	64	63		0	"	0		
2			"	"	3		29.83	65	66	64		bc.	"	1		
3			"	"	3		29.81	65	66	64		"	"	1		
4			"	S by W.	2		29.81	65	65	64		0.T.	Cir Cum	0		
5			"	"	2		29.82	65	64	63		"	"	"		
6			"	S by E	3		29.82	65	63	62		"	"	"		
7			"	"	4		29.83	65	61	61		0	"	"		
8			"	"	3-4		29.83	65	61	61		bc	"	1		
9			"	S by W	4-5		29.83	65	61	61		0T	"	0		
10			"	"	4-5		29.82	65	61	61		"	"	"		
11			"	"	4-5		29.84	65	61	61		"	"	"		
Mid.			"	"	4-5		29.84	65	61	61		"	"	"		

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observation at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 200 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2400 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander W. Scott Schley, , U. S. Navy,

Sunday, October 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Gentle to light breeze from N.N.E. Flood tide High water at 3.30.

Jno. Crudup
Ensign

From 4 to 8 A.M. Cloudy. Pleasant. Wind light from E. N.E. and N. Barometer slowly falling. Ebb tide.

C. L. Byrne
Midshipman

From 8 A.M. to Meridian. Overcast and pleasant. Light to moderate breeze from N. by E. to N. by W. At 9.15 mustered at quarters. The following men found absent from overstaying leave Michael Gerry (2cl) J. H. Magee (2cl) H. Simpson (1cl) without leave Philip Kincade (Ldsm) Wm. Hardie (OS) and W. H. Danforth (OS) By order of Comdg officer T. D. Roberts (OS) Wm. Parker (Ldsm) and Saml. Shirley (Ldsm) were released from confinement and returned to duty Flood tide

C. B. T. Moore
Ensign

From Meridian to 4 P.M. Weather cloudy. Passing rain first hour of watch Barometer falling. Sent a party of men ashore on liberty. Slack water at 2 P. Michael Mangan O.S. left the ship without permission.

C. L. Byrne
Midshipman

4 to 8 P.M. Overcast and rainy. Light to moderate breeze from N. by W. to N. by E. At 4.40 English Steamer "Asiatic" came into the dock. Pts. Adams (P.M.) returned on board. Ebb tide. W. H. Danforth (OS) and Michael Gerry (2cl) returned to the ship.

C. B. T. Moore
Ensign

4 P.M. to Mid. Cloudy. Cool. Passing rain. Barometer steady Low water at 9.15.

C. L. Byrne
Midshipman

Noon's place 1st Lyr. Dec. S. 25°

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer Essex, 2nd Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1					5.6		29.83	64	60	58		bd	Cum Mixed	7	S.	
2					5.6		29.82	64	58	58		"	"	2	"	
3					6.7		29.82	64	58	58		"	"	7	"	
4					6.7		29.80	63	57	57		"	"	8	"	
5				"	5.7		29.88	62	57	58		bcg	"	7	"	
6				"	5.7		29.88	62	59	58		obg	"	0	"	
7				"	5.7		29.91	61	59	58		bcg	"	2	"	
8				"	5.7		29.93	61	59	58		"	"	4	"	
9				"	4.6		29.98	62	60	59		"	"	4	"	
10				"	4.6		29.99	62	60	60		bcfg	"	2	"	
11				"	4.6		30.00	63	61	60		"	"	2	"	
Noon.				"	4.6		30.01	64	62	61		"	"	1	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ☉	°	′	″
Longitude by Chronometer from Forenoon Observations ☉	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ☉ observed at	°	′	″
Water expended during the preceding 24 hours	2 50		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	2150		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1					4.7		30.04	63	62	62		bcfg	Cum Mixed	9	S.	
2				"	4.7		30.06	64	61	61		"	"	7		
3				"	4.6		30.09	65	62	62		"	"	7		
4				"	4.6		30.12	65	62	62		"	"	7		
5				"	4.5		30.14	65	61	60		bd	"	7		
6				"	4.6		30.16	65	61	60		"	"	7		
7				"	3.5		30.18	65	61	60		"	"	5		
8				"	3.5		30.21	64	60	59		"	"	0		
9				"	3.5		30.23	62	60	59		"	"	6		
10				"	1.2		30.26	62	60	59		"	"	8		
11				"	1.2		30.26	62	59	58		"	"	8		
Mid.				"	1.2		30.26	62	59	58		"	"	9		

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Comdr W. Scott Schley, U. S. Navy,

Monday Oct 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unites Air Clear and cool. Stiff to very fresh breeze from NW to West Bar falling latter part of watch. Pleasant

A. B. J. Moore
Ensign

Pleasant to 8 PM Cloudy Cairing showers during watch. Squm Heavy clouds Wind very fresh in squalls from W. Received on board 140 lbs Salt for ship. Bar rising. Ebb tide

L. P. Jouett
Master

From 8 AM to Noon Cloudy. Coal Pyrmt. rec squalls during watch Moderate to fresh breeze from W. Bar rising Lt. 9 s mustered at quarters. Pilot Mr. Mayger left ship about 10 AM. James Shelvin (Cook) Edward Moran, Henry Simpson (Cs) J. H. Magruder Geo R Wilson Mach James Brady Mach (Cs) Wm. Thomas (Cs) James Guthrie W.P. cook Thos Foley Side Cl. To proceeding absented himself without permission Phil Kinsella Side Mate Morgan (Cs) D. L. Handley (Cs) Wm. Porter James O'Donnell (Cs) Confined W.P. Taylor (Cs) in charge were to await action of Comdr for attempting to leave the ship without permission Carpenters Gang engaged in repairing Table Fault on fore yard

Wm Bruce
Master

From Noon to 4 PM Clear Cairing showers first part. Moderate to fresh breeze blowing to squalls Squm Heavy clouds John P. Hill (C) Cl. absented on single irons on Board and under Sentry until Punishment ordered. Mach Mayger P.D. returned on board James A. Donnell (Cs) was brought on board by police High water at 2.30

L. P. Jouett
Master

4 to 8 PM Cloudy Squally. Wind moderate to fresh from W. Bar rising Sent deserter Hill on shore with remarks for rec absent without leave

Wm Bruce
Master

8 PM to 12 Mid Clear Cool Light breeze from W. Squm Heavy clouds Low Water at 12.30 A. M. Low M.A.A. exempted from duty and confined to berth deck to await action of Comdr for insubordination Still without permission

L. P. Jouett
Master

Thermometer Air 8 AM 82°

Examined and found to be correct.

Isaac Walker
Lt.

Navigator.

LOG of the UNITED STATES Steam Ecclo , 2 Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURES. Air Dry Bulb.	TEMPERATURES. Air Wet Bulb.	TEMPERATURES. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1				W	2		30.26	60	56	57		bc	Cir Strat	7	S	
2				"	1-2		30.25	60	58	57		"	"	7	"	
3				"	1-2		30.25	60	58	57		"	"	7	"	
4				"	1-2		30.24	60	58	57		"	"	7	"	
5				ESE	0-1		30.25	60	57	57		"	Cum	9	"	
6				"	1		30.25	60	57	57		bcg	Cir Cum	9	"	
7				Calm	0		30.26	60	57	58		"	"	9	"	
8				"	0-1		30.27	60	57	58		"	"	9	"	
9				W by N	1		30.26	60	59	59		bc	"	9	"	
10				W	3		30.25	61	59	59		"	"	9	"	
11				"	3		30.24	60	60	59		"	"	9	"	
Noon.				"	3		30.24	60	62	60		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	280	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1920	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.															
1				W W	3		30.24	60	62	60		bcg	"	9	D
2				"	3-5		30.24	60	63	62		"	Cum	9	"
3				W by N	3-5		30.24	64	64	62		"	"	9	"
4				"	3-4		30.24	63	64	61		"	"	9	"
5				W by S	3-4		30.24	63	65	64		"	"	9	"
6				"	3-4		30.24	63	62	62		"	Cir Cum	8	"
7				"	2-3		30.24	63	61	60		"	"	8	"
8				"	1-2		30.24	63	60	60		"	"	9	"
9				W	2		30.26	63	60	59		"	"	8	"
10				"	1		30.26	63	59	59		"	Cir Cum	7	"
11				Calm	0		30.26	63	59	59		"	"	8	"
Mid.				S.S.W	1		30.26	63	59	59		"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander W. Scott Schley, U. S. Navy,

Tuesday Oct 29th, 18[illegible].

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends as PM. Clear Cool Light airs & light breeze from W. Bar sailing slowly. Light under at 8.45 A.

C. A. Young
Midn

From 4 to 8 AM. Clear Hazy and Pleasant. Calm and light airs from 8th Ebb tide at 8 loosed sails Received fresh provisions for crew. Edward Moran (O.S.) returned on board

Jno. C. Spicer
Ensign

From 8 AM to Meridian Clear Pleasant Gentle NW breeze Fair Cum clouds. At 9.15 sounded at quarters Received on Pay Dept / Cobbs flour B.B. Lard M.D.C. Measured and placed on duty At 11.30 secured sails

L. P. Jouett
Master

Hand log PM Clear and Pleasant Gentle to moderate breeze from W.N.W. Received on Equip Dept 2 cases Provisions. Edward Moran & James Stephens O.S. cook returned from liberty

Jno. C. Spicer
Ensign

From 4 to 8 PM Clear and Pleasant Moderate breeze from W.S.W. Lying out towards ends of watch. Fair Cum clouds Royal mail Steamer Acantia left for England. Light under at 5.30 J. M. Magee 1st C. returned on board

L. P. Jouett
Master

From 8 PM to Mid Hazy and light Clear and Pleasant. Calm and light airs from W. to S.W. By order of Comdy Officer Philip Hazard A.B. a prisoner was confined in for passage for smoking on deck Jas Dearinger (O.S.) returned from liberty

Jno. C. Spicer
Ensign

Moon's phase. Dyr dec. S 27°

Examined and found to be correct.

Chas Allen
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Eagle, 3 Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1				E. by S.	01		30.20	63	59	58		bd	Cu Cum	9	S	
2				"	0-1		30.23	63	58	58		"	"	9	"	
3				Calm	0		30.20	63	58	58		"	"	9	"	
4				"	0		30.20	62	58	58		"	"	9	"	
5				N by W	0-1		30.18	62	58	58		"	"	6	"	
6				"	0-1		30.18	62	59	58		"	"	3	"	
7				N by W	1		30.18	62	60	59		"	"	5	"	
8				N by W	1		30.18	62	62	61		"	"	7	"	
9				"	1		30.18	62	63	62		"	"	8	"	
10				"	1		30.19	63	65	65		"	"	8	"	
11				"	1		30.19	64	67	67		"	"	7	"	
Noon.				N	1		30.18	65	69	67		"	"	6	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ☉	°	′	″
Longitude by Chronometer from Forenoon Observations ☉	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ☉ observed at	°	′	″
Water expended during the preceding 24 hours	2 50		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	16 57		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1				N	0-1		30.18	67	69	68		bd		4	S	
2				"	0-1		30.18	67	71	69		"	"	3	"	
3				N by E.	0-1		30.18	68	73	70		"	"	7	"	
4				"	0-1		30.18	68	73	70		"	"	5	"	
5				"	1		30.12	69	73	70		"	"	4	"	
6				"	1		30.12	68	70	68		"	"	5	"	
7				N by W	01		30.10	68	67	67		"	"	6	"	
8				"	0-1		30.12	65	66	65		"	"	9	"	
9				"	1		30.06	65	66	64		"	"	9	"	
10				S by E.	1		30.10	65	66	64		"	"	9	"	
11				"	01		30.10	65	66	64		"	"	9	"	
Mid.				N. N. W.	1		30.10	65	66	64		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander H. Scott Schley, U. S. Navy,

Wednesday Oct 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Clear Some Light airs from E.S.E. first part Calm remainder of watch Fair Some clouds Bright moonlight James Brady Mach returned on board

D. P. Jones
Master

Mid. to 8 A.M. Cloudy and Pleasant Light airs from N.W. to N.by W. Find Tide. ~~W.M. Parker Lieut~~ returned on board.

C. B. T. Moore
Ensign

From 8 A.M. to 4 P.M. Clear and warm Light airs from N.W. to N. and N. Ebb Tide At 9.30 A.M. proceeded at quarter Received in Canoe Sept 20 Coir brushes and handles and 1 coil 3 inch Manila Received Bay Nipa 3 Hds sugar 1/2 Hds coffee 6 boxes canned beef 2 Hds rice 3 boxes pickles Midshipman W. E. Hannum tasked Mr. McDonald Sick John Babb Ord'y overstaying leave W. F. Hamilton and Simon Negro (2) absenting themselves without permission John Babb Ord'y returned on board at 12 M.

Chas. Stivers
Ensign

From Noon to 4 P.M. Cloudy and squally Light airs from N. and N.by E. At 2.15 ~~returned and hauled~~ Hauled Mr. Samuel Sick returned on board Received in Bay Nipa 8 Hds fish 8 Hds beef 6 packages Provisions 10 boxes Pickles 1 Hds beans 1 box butter 4 Hds sugar 38 bags bread By order of Commander. Midn W. E. Hannum was placed under suspension for being absent from the ship at quarters

C. B. T. Moore.
Ensign

From 4 to 8 P.M. Clear and Pleasant Light airs from N. by E and N.N.W. Find Tide

Chas. Stivers
Ensign

From 8 P.M. to Midt Clear and Pleasant Light breeze from N.N.W. first and last hours of watch and 4 by 8 middle part Squalling. Lieut Parker Sick at 1.40 P.M. returned on board

C. B. T. Moore
Ensign

Moons phase 1st qr Dec. 8. 25h.

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N by W	Calm	0		30.05	64	61	60		bd	Cu Cumst	9	S	
2			"	"	0		30.03	63	60	60		"	"	9	"	
3			"	SW	0		30.03	63	60	62		"	"	9	"	
4			"	W	0-1		30.03	63	60	62		"	"	9	"	
5			"	W	01		30.03	63	62	62		"	"	9	"	
6			"	"	01		30.03	62	62	62		"	"	9	"	
7			"	"	01		30.03	62	61	64		"	"	9	"	
8			"	"	01		30.03	64	65	64		"	"	9	"	
9			"	W by N	01		30.05	64	67	65		"	"	9	"	
10			"	"	01		30.05	66	69	67		"	"	9	"	
11			"	Calm	0		30.05	67	70	69		"	"	9	"	
Noon.			"	"	0		30.05	69	73	70		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observation at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours 250 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1				Calm	0		30.05	69	76	74		bd	"	9		
2				W	01		30.04	70	77	76		"	Cu Cumst	10		
3				"	0-1		30.04	70	77	76		"	"	10		
4				"	01		30.00	71	78	76		"	"	10		
5				W by S	1		30.00	72	79	76		"	"	10		
6				SW	3		29.98	72	75	73		"	"	10		
7				SW by S	5		29.98	73	75	73		"	"	10		
8				W by S	1		29.98	73	73	71		"	"	10		
9				SW by S	3-5		29.98	73	73	71		"	"	10		
10				"	5-7		29.98	73	73	71		"	"	10		
11				"	5-7		29.98	72	73	71		"	"	10		
Mid.				"	5-7		29.98	73	73	71		"	"	10		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude ☉ observed at Sunset

Variation of the Compass by at

under the command of Comdr W. Scott Schley, U. S. Navy,

Thursday Oct 31st, 1895, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Clear Cool Pleasant Calm first two hours Light airs from S.W. and W. last two. First part

Sam. Lynch
Quarter

From 4 to 8 AM. Clear Warm Light airs from W. to W.S.W. Calm Cloudy Hands employed as required for coaling ship and at 6.30 commenced Tide water at 6.30 Received on board fuel for boats for cook

C.L. Bruns
Master

8 AM to 12 M. Clear and Warm Light breeze to light airs from W.S.W. first two hours fresh Calm last two. At 8 AM mustered at quarters the following men absent without leave J. Conyers C.P.O. and H. Holzinger Ord Sea. At 10.30 AM Mr. Dana Paymr and an officer to AM Mr. Dana with compliments of Comdr and the visit was returned Coaling ship J. H. Sorensen (D) and D. Holzinger Ord. Sea. returned on board

C. B. J. Moore
Ensign

From Meridian to 8 PM Clear Warm Light NW'ly airs Blowing strong from the outside Gig Officer from AM Mr Dana returned ship officially Coaling ship Received on board 6 Globe lanterns.

C.L. Bruns
Master

4 to 8 PM. Clear and Warm Light airs first and last part of watch from N.W. by W. Middle part variable to still breeze from S. and S.S.E. Carr Study. Finished coaling ship Received on board 199 Tons 1900 lbs Bituminous coal Hyd water at 5.45

C. B. J. Moore
Ensign

From 8 PM to Midt Clear and Pleasant Sudden and frequent slight & wind Blowing gentle breeze from S.W.S and the first two squalls from S.S.W Hove to until both Lord watch at 9 PM Carr steady 2.9 P.

C.L. Bruns
Master

Moon's Phase 1st Qr. Dec. 22d

Examined and found to be correct.

Isaac Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1				W	2		29.97	72	67	66		b	Nimbus	10	S	
2				W by N	2		29.95	72	67	66		"	"	10	"	
3				"	2		29.94	72	66	65		"	"	10	"	
4				W by S	2		29.93	72	66	65		"	"	10	"	
5				"	2		29.93	71	68	66		"	"	10	"	
6				"	2		29.93	70	68	66		"	"	10	"	
7				"	0		29.94	68	68	66		Dg	Cirrus	9	"	
8				Calm	1·2		29.94	69	70	65		b	"	9	"	
9				"	1·2		29.94	71	72	71		"	"	9	"	
10				W by N	1·2		29.94	72	75	71		"	"	9	"	
11				"	1·2		29.94	72	76	73		"	"	9	"	
Noon.				SE	1·2		29.95	74	79	74		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	350	gallons.
Water received during the preceding 24 hours	850	"
Water remaining on hand fit for use at Noon	2900	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on land at Noon	"	"

P. M.																
1		W by W	"		3·4		29.93	75	84	78		"	"	9	S	
2		"	"		3·4		29.93	75	84	79		"	"	9	"	
3		"	"		3·4		29.93	79	86	80		"	"	9	"	
4		"	"		3·4		29.93	80	88	79		"	"	9	"	
5		Anchored	"		3·4		29.91	86	85	77		"	"	9	"	
6		SxE	SxE		3·4		29.90	81	83	75		"	"	9	"	
7		"	"		4·5		29.90	79	82	74		"	"	9	"	
8		"	"		5·6		29.90	79	81	74		"	"	9	"	
9		"	"		5·6		29.90	78	81	72		Dcg	"	9	"	
10		"	"		6·7		29.90	77	80	70		"	"	9	"	
11		"	"		6·7		29.88	77	80	70		"	"	9	"	
Mid.		"	"		6·7		29.88	76	78	70		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations	°	′ ″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Comdr W. D. Sellers, U. S. Navy,

Friday Nov 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended Am Clear and Cool Light breze shifting from W. to N.W. Bar falling slowly

C. B. T. Moore
Ensign

From 4 to 8 AM Clear. Warm Light breze from N.W. with occasional fresh gusts from N.E. English Vessel came in and went into dock. Confined David Kelly Landsman to Sick list for drinking Liquor and being disorderly. Received on board fresh provisions for ship

L. P. Jouett
Master

From 8 AM to Noon Clear and Pleasant Light breze from N.W. boat's crew from R.S. At 10.15 John B. Reid was relieved from confinement and returned to duty At 11.30 Hauled Fires in Two fresh Water boilers Set up rigging and mustered Hauled down Stocks and Landed Awnings

C. H. Brunn.
Mid

From Noon to 4 PM Clear Warm Moderate breze from N.E. Received on board 35 bags bread 850 gallons water Hauled up Main Mast Made preparations for Sending down

L. P. Jouett
Master

From 4 to 8 PM Clear and Pleasant. Moderate to Light breze from N.E. at 4.30 Sent down Top Gallant mast and rigging. At 4.45 anchored in the bay with 45 fms chain on port anchor in 4 fms water. At 6.25 Cleared Ship for Cruising. P.M. in obedience to Signal and verbal instructions from Commander in Chief proceeded to sea in company with Despatch Vessel Swatara. At 7 PM lowered the boats for target practice. Ceased firing at 8 PM. Hove up port anchor and stood off and on during the night

C. H. Brunn.
Mid

From 8 PM to Midnight Blowing very fresh from N.E. Heavy squalls. At 8.30 let go Starboard anchor and moored with 90 fms on port chain and 45 fms on starboard chain. Middle part Fires hauled down and banked fires. Employed as before

L. P. Jouett
Master

Moon's phase 2d 9h Dec S. 18°

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steam Ship , Rate, Guns,

Sailing Voyage from Cape Town to St Helena Island

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			ESE	SEbyS	3		29.88	76	78	70		dc	Cu Cum	9	M	
2				"	3		29.88	76	78	70		"	"	9	"	
3			W	W	0-1		29.88	76	78	70		dc	"	9	"	
4				"	0-1		29.88	76	78	70		"	"	9	"	
5			WbyN	"	1		29.87	74	71	70		"	"	9	"	
6				Calm	0		29.87	74	71	70		"	"	9	"	
7			WbyS	"	0		29.87	72	72	71		"	"	9	"	
8			WbyS	"	0		29.88	71	72	71		"	"	9	"	
9				"	0		29.90	71	72	72		"	"	9	"	
10			Underway	"	0		29.90	73	73	70		"	"	9	"	
11	3	7	WNW	"	0		29.89	73	73	72		"	"	9	"	
Noon.	7	0	"	"	0		29.90	73	73	70		dc	none	10	"	

Distance run by Log since preceding Noon 10 knots 7 fathoms.

Latitude by D. R. at Noon S 33 · 41 · "

Longitude by D. R. at Noon E 18 · 16 · "

Latitude by Observation at Noon ⊙ · · "

Longitude by Chronometer from Forenoon Observations ⊙ · · "

Sept 1885 Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise · · "

Variation of the Compass by Azimuth ⊙ observed at · · "

Water expended during the preceding 24 hours 2 6 0 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2 6 0 0 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	6	8	"	N	0-1		29.83	78	71	70	69	"	none	10	M	
2	6	8	"	Calm	0		29.83	74	74	71	67	"	"	10	"	
3	7	8	"	NbyW	1-2		29.85	73	72	70	69	dc	Cirrus	9	"	
4	7	2	"	"	2		29.84	70	69	67	67	dp.	Cum	N	"	
5	6	7	"	"	2		29.81	70	67	65	64	"	"	2	"	
6	6	5	NbyW	"	2		29.80	70	68	64	64	"	"	2	"	
7	6	2	"	NE	3		29.83	71	64	64	64	Cirrus	"	0	"	
8	6	0	"	"	3-4		29.83	70	64	64	64	"	"	0	"	
9	6	2	"	"	4		29.84	69	64	62	64	"	"	0	"	
10	6	5	"	"	4		29.82	69	64	62	64	"	"	0	"	
11	6	7	"	"	4		29.81	68	64	62	64	"	"	0	"	
Mid.	6	2	"	NEbyN	4		29.82	68	64	62	64	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ · · "

Longitude by Chronometer from Observations * · · "

Variation of the Compass by Amplitude ⊙ observed at Sunset · · "

Variation of the Compass by at · · "

under the command of Commander W. Scott Schley, U. S. Navy,

Saturday 8 Nov 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unfits A.M. Clear and pleasant / Blowing fresh breeze squalls from SE & S / part light airs from NW. Ba steady 29.38. Turning to flood at 2.30.

C. A. Bruns
Mid.

From 4 to 8 A.M. - Clear and pleasant. Calm and light airs from NW. Flood tide. Hove up starboard anchor and hove in to 30 fms port chain. Fidded top-gallant masts. Bent jib and fore topmast staysail. Made preparations for sea. By order of Cmdg Officer, Wm Hardie (OS), Philip Hazzard (OS) and G. V. Marion (OS) and Danl Shelly (Sds) were released from confinement and restored to duty. Rigs tanked in 4 boilers.

Danl Smith

From 8 A.M. to Meridl Clear Fresh Calm A. M. mustered at quarters. At 8 A.M. crossed top gall yards. At 9 brought to port chain and at 10 got underway and stood out to sea. Set fore and aft sails. Fresh breeze and fine weather. At 12 Meridl Latitude by Account 36° 58' N. Longitude by Account 74° 30' W. Distance run 30 miles. Course S. 30° E. Variation 6° W. Deviation 1° E. Wind NW. Sea moderate. Sky clear. Temperature of air 60° Fahr. Temperature of water 60° Fahr. Latitude by Sights 36° 58' N. Longitude by Sights 74° 30' W.

E. P. Jewett
Cadet

From Meridl to 4 P.M. Clear and pleasant. First part of the watch foggy. Last half hour calm and light breeze from N & E. At 2 P.M. crossed Hatteras with four boilers. Set fore and aft sails and stood out to sea. Calm. Latitude by Account 35° 23' N. Longitude by Account 74° 30' W. Distance run 30 miles. Course S. 30° E. Variation 6° W. Deviation 1° E.

Danl Smith
Cadet

From 4 to 8 P.M. Foggy and dark. Light breeze from NW. Ba falling steadily. At 5 lowered away the 1st cutter and sent Cadet Midshipman Holden and crew on board the Ba. Sighted Cape Lookout Light bearing W. by N. Distance 15 miles. At 6 Midshipman Holden returned on board. At 7 Cadet Midshipman Holden and crew returned to the Ba. Latitude by Account 34° 45' N. Longitude by Account 76° 15' W. Distance run 30 miles. Course S. 30° E. Variation 6° W. Deviation 1° E.

C. B. T. Moore
Cadet

From 8 to 12 M. Foggy and dark. Light breeze from NW. Ba falling steadily. At 9 lowered away the 1st cutter and sent Midshipman Holden and crew on board the Ba. At 10 Midshipman Holden returned on board. At 11 lowered away the 1st cutter and sent Midshipman Holden and crew on board the Ba. At 12 Midshipman Holden returned on board. Latitude by Account 33° 45' N. Longitude by Account 77° 30' W. Distance run 30 miles. Course S. 30° E. Variation 6° W. Deviation 1° E.

C. A. Bruns
Mid.

From 12 M. to 4 P.M. Foggy. Moderate NE breeze. Sounded every hour with the lead. Latitude by Account 33° 45' N. Longitude by Account 77° 30' W. Distance run 30 miles. Course S. 30° E. Variation 6° W. Deviation 1° E.

E. P. Jewett
Cadet

Noon's place of ye. Dec. S. 13°

Examined and found to be correct.

Chas Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Eagle, 3 Rate, 6 Guns,

Making passage from Cape of Good Hope South Africa to St Paul Island

Hour.	Knots.	Fathoms (Zenith)	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. at clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	5	NW by N	NNW	3		29.99	65	61	61	64	f			S	
2	6		"	NW by W	4		29.78	65	62	62	64	b f	Cumo	2	"	
3	6	4	"	NNW	3		29.76	65	61	61	64	f	"	0	"	
4	6	0	"		3		29.75	65	61	61	64	"	"	0	"	
5	5	7	"	NW	2		29.75	65	61	60	64	"	"	0	"	
6	5	9	"	"	2		29.80	65	61	60	64	"	"	0	"	
7	6	2	"	"	2		29.80	65	61	60	63	"	"	0	"	
8	6	2	"	NNW	2		29.81	65	61	60	63	"	"	0	"	
9	6	6	"	NW	2		29.82	67	61	60	63	"	"	0	"	
10	6	2	"	"	2		29.82	67	62	62	63	"	"	0	"	
11	6	0	"	"	2-3		29.81	66	62	62	63	"	"	0	"	
Noon.	5	6	"	"	2-3		29.80	66	63	62	63	"	"	0	"	

Distance run by Log since preceding Noon — 147 knots 6 tenths fathoms.

Latitude by D. R. at Noon — S. 32° · 28' "

Longitude by D. R. at Noon — E. 15° · 43' "

Latitude by Observation at Noon ⊙ — S 32° · 28' 14"

Longitude by Chronometer from Forenoon Observations ⊙ — E 15° · 32' "

Sp 1885 Current during the time knots 4 ~~fms.~~ tenths per hour setting to the West.

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 AM. Lat. S 32° 41' Long E 15° 56 — W. 28° ' "

Water expended during the preceding 24 hours — 250 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2400 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.																
1		0	NW by N	N	2-3		29.77	66	63	62	63	"	"	0	S	
2	1	5	NW by W	"	2-3		29.76	67	63	62	63	"	"	0	"	
3	2	2	NW by N	NW by W	2-3		29.76	67	63	62	63	"	"	0	"	
4	3	0	NW by W	NNW	3		29.75	67	63	62	63	cd	"	1	"	
5	3	5	NW by N	NNW	3		29.75	67	62	62	63	bc	"	2	"	
6	4	5	NW by W	NW by N	3		29.75	67	62	62	63	"	"	1	"	
7	3	0	NW by W	"	3		29.76	67	61	60	63	ON	Cumulus	0	"	
8	2	5	NNW	NW	3		29.76	67	61	60	63	"	"	0	"	
9	2	6	"	NW by W	2-3		29.81	67	61	60	63	op	"	1	"	
10	1	0	"	NW by N	1		29.85	67	62	61	63	"	"	0	"	
11	1	0	"	"	0-1		29.88	66	61	61	63	"	"	0	"	
Mid.	1	2	"	"	0-1		29.89	66	61	61	63	0	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Comd^r W. A. Schley, U. S. Navy,

Steamer Genl Sedgwick, 187 8.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends with fresh breezes and cloudy weather. Steams at moderate speed from Key W^t and Tortugas to Key W^t. At 2 stood in to the anchorage and left this steaming with five boilers steaming for Pilot Town. Passed Fort Jefferson at 5 P.M. Saturday Jany 25th. At 8 P.M. Passed Sand Key Light House. At 10 P.M. Passed Carysfort Reef Light House. At 12 Midnight Passed Alligator Reef Light House. Fresh breezes and cloudy weather. Steaming with five boilers. At 4 A.M. Passed Hawk Channel Light House. At 8 A.M. Passed Molasses Reef Light House. At 10 A.M. Passed Triumph Reef Light House. At 12 Noon Passed Elbow Reef Light House. At 2 P.M. Passed Turtle Harbor Light House. At 4 P.M. Passed Rodriguez Key Light House. At 6 P.M. Passed Long Key Light House. At 8 P.M. Passed Duck Key Light House. At 10 P.M. Passed Grassy Key Light House. At 12 Midnight Passed Little Duck Key Light House. Fresh breezes and cloudy weather. Steaming with five boilers. At 2 A.M. Passed Seven Mile Bridge. At 4 A.M. Passed Pigeon Key Light House. At 6 A.M. Passed Bahia Honda Light House. At 8 A.M. Passed Sombrero Key Light House. At 10 A.M. Passed Sombrero Reef Light House. At 12 Noon Passed Delos Light House. Fresh breezes and cloudy weather. Steaming with five boilers. At 2 P.M. Passed Alligator Reef Light House. At 4 P.M. Passed Molasses Reef Light House. At 6 P.M. Passed Carysfort Reef Light House. At 8 P.M. Passed Sand Key Light House. At 10 P.M. Passed Rodriguez Key Light House. At 12 Midnight Passed Long Key Light House. Fresh breezes and cloudy weather. Steaming with five boilers. At 2 A.M. Passed Duck Key Light House. At 4 A.M. Passed Grassy Key Light House. At 6 A.M. Passed Little Duck Key Light House. At 8 A.M. Passed Seven Mile Bridge. At 10 A.M. Passed Pigeon Key Light House. At 12 Noon Passed Bahia Honda Light House. Fresh breezes and cloudy weather. Steaming with five boilers. At 2 P.M. Passed Sombrero Key Light House. At 4 P.M. Passed Sombrero Reef Light House. At 6 P.M. Passed Delos Light House. At 8 P.M. Passed Alligator Reef Light House. At 10 P.M. Passed Triumph Reef Light House. At 12 Midnight Passed Elbow Reef Light House. Fresh breezes and cloudy weather. Steaming with five boilers. At 2 A.M. Passed Turtle Harbor Light House. At 4 A.M. Passed Rodriguez Key Light House. At 6 A.M. Passed Sand Key Light House. At 8 A.M. Passed Carysfort Reef Light House. At 10 A.M. Passed Molasses Reef Light House. At 12 Noon Passed Alligator Reef Light House. Fresh breezes and cloudy weather. Steaming with five boilers. At 2 P.M. Passed Triumph Reef Light House. At 4 P.M. Passed Elbow Reef Light House. At 6 P.M. Passed Turtle Harbor Light House. At 8 P.M. Passed Rodriguez Key Light House. At 10 P.M. Passed Sand Key Light House. At 12 Midnight Passed Carysfort Reef Light House. Fresh breezes and cloudy weather. Steaming with five boilers. At 2 A.M. Passed Molasses Reef Light House. At 4 A.M. Passed Alligator Reef Light House. At 6 A.M. Passed Triumph Reef Light House. At 8 A.M. Passed Elbow Reef Light House. At 10 A.M. Passed Turtle Harbor Light House. At 12 Noon Passed Rodriguez Key Light House. Fresh breezes and cloudy weather. Steaming with five boilers. At 2 P.M. Passed Sand Key Light House. At 4 P.M. Passed Carysfort Reef Light House. At 6 P.M. Passed Molasses Reef

LOG of the UNITED STATES Steamer Osceola, 3 Rate, 6 Guns,

Making passage from Port Royal Sound to St Helena Island

Hour.	Knots.	Leeway.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Ltths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1		NNW	W	0		29.83	65	62	61	64	on	Cumulus	8	D	
2	1		"	"	0		29.79	65	62	61	64	0	"	0	"	
3		8	"		1		29.78	64	62	61	64	"	"	0	"	
4	2		"	WbyS	2		29.78	64	62	61	64	"	"	0	"	
5	2		"	"	2		29.80	64	61	60	64	od	"	0	"	
6	1	5	"	"	1		29.81	64	61	60	63	0	"	0	"	
7	1	0	"		0		29.81	64	63	63	63	"	"	8	"	
8	Hove to	waiting	way	Calm	0		29.81	66	63	63	63	"	"	0	"	
9	0	5	NNW	NE	1		29.81	65	62	62	63	"	"	0	"	
10	8	0	NNW by W	"	2		29.82	65	63	62	63	"	"	0	"	
11	4		SSW	N	3		29.83	65	63	62	63	"	"	0	"	
Noon.	4	6	"	"	4		29.83	65	63	62	63	"	"	0	"	

Lat 32° 2' N
Long 80° 10' W

Distance run by Log since preceding Noon	48 knots	7 tenths fathoms.
Latitude by D. R. at Noon	S 32 ° 10 '	"
Longitude by D. R. at Noon	E 14 ° 47 '	"
Latitude by Observation at Noon ⊙	S 32 ° 2 '	"
Longitude by Chronometer from Forenoon Observations ⊙	E 14 ° 46 ' 30 "	
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° '	"
Variation of the Compass by Azimuth ☾ observed at 9 AM. Lat S 32°10' Long E 14°38'	W. 28 ° 55 '	"
Water expended during the preceding 24 hours	250	gallons.
Water Condensed during the preceding 24 hours	450	"
Water remaining on hand fit for use at Noon	2600	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Sp. 1384

P. M.																
1	4	5	WbyN	NNW	4		29.83	65	63	62	63	0	"	0	D	
2	4	2	W	"	4		29.82	65	62	61	63	"	"	0		
3	4	6	NbyW	"	4		29.81	65	62	61	63	"	"	0		
4	5	0	W	"	4		29.80	65	62	61	63	bc	"	1		
5	4	5	WbyN	"	4		29.79	65	62	61	63	"	"	2		
6	5	4	"	"	4		29.80	65	62	61	63	"	"	1		
7	3	0	WbyN	WbyN	4		29.80	65	62	61	63	0	"	0		
8	2	0	WbyN	NNW	3		29.80	66	62	61	63	"	"	0		
9	1	6	W	"	3		29.81	67	62	61	63	"	"	0		
10	3	2	WbyN	N	3		29.83	66	62	61	63	"	"	0		
11	4	2	WbyN	"	4		29.83	66	62	61	63	0	"	0		
Mid.	4	0	WbyN	"	4		29.83	66	62	61	63					

Longitude by Chronometer from Afternoon Observations ⊙	° '	"
Longitude by Chronometer from Observations ☾	° '	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	° '	"
Variation of the Compass by at	° '	"

under the command of Lieut. W. Scott Schley, U. S. Navy,

Wyandank Rod Lt.

, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends. All Over cast Cool Light airs from the first part moderate to light breeze last part Cruising as requisite and at 8 at noon bent sails and Hooked on sails to the Buoy at 3 at noon bent sails and Hooked on sails to the Buoy employed as requisite Exercising Crew and Target Practice in two Boats off Key West.

E. K. Lynch
Lieut

From 4 to 8 All Over cast Light drizzling rain First part Pleasant remainder Variable Light breeze from N.E. Employed as required Exercising Crew and Target Practice in two Boats off Key West.

E. P. Scott
Lieut

From 8 All to 12 Noon Clear and Pleasant Light airs from N.E. moderate To a moderate breeze from N.E. Cruising Cloudy fine smooth Under as required Bent Sails and At 9.25 exercised at General Quarters Time as follows Time 9.35 Manned Boats 9.40 Away 1st Cutter 9.45 Away 2nd Cutter 9.50 Away 3rd Cutter 9.55 Recalled at 10.02 in 10.05 At 9.50 at Gaff to Mast Dressed in two Boats Time 10.25 Distilling By order of Board the following Punishments were awarded Read to the Ship's Company Neglect of duty and Insolent Conduct Quarter Master Dismissed from the Service Ordinary Seaman Thirty days Extra Duty and Forfeit Two months Pay

LOG of the United States Steamer Essex, 2 Rate, 6 Guns,

Making passage from Cape Town to St Helena Island

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.													Cirrus			
1	4	8	SW by W	SE by E	4		29.80	65	61	60	63	o.p.g.	Nimbi	0	S	
2	5	0	SW by W	SE	4		29.77	64	61	61	63	"	"	0	"	
3	5	5	SE by E, E by S, E by N	SE by E	4		29.76	64	61	61	64	"	"	0	"	
4	3	5			4	½	29.75	64	61	61	64	o.p.g.	"	0	"	Shift under sail to reef
5	2	7	SE by E, E by S	SE	4	½	29.73	64	61	61	64	"	"	0	"	Mate hailed course first
6	2	8	SE	SE by E	4		29.73	64	62	62	63	o.p.g.	"	0	"	at stay sails and spanker
7	3	0	SE by E	"	4		29.78	63	62	62	62	b.l.g.	"	1	"	
8	3	5	SE by S	"	4		29.76	63	62	61	62	"	"	1	"	
9	5	0	SE by E		4		29.76	64	62	61	62	"	"	2	"	Shook out reefs
10	8	4	SE by E	SE by E	4		29.76	63	62	61	62	"	"	3	"	set 3 d sails
11	4	1	SE by E	"	4		29.76	63	62	61	63	"	"	5	"	
Noon.	5	0	SE by E, E by S	"	4		29.75	63	62	61	63	"	"	7	"	Plain sail to 3d sails

Distance run by Log since preceding Noon — 87 knots 4 tenths fathoms.

Latitude by D. R. at Noon — S 31 ° 39′ 40″

Longitude by D. R. at Noon — E 13 ° 50′ 30″

Latitude by Observation at Noon ⊙ — S 31 ° 47′ "

Longitude by Chronometer from Forenoon Observations ⊙ — E 13 ° 50′ "

Sp. 1384. Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 200 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2350 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																All plain sails
1	4	6	SE by E, E		4		29.76	64	62	60	63	"	Cirrus	6	"	
2	3	4	E	SE by E	4		29.83	64	62	60	63	"	"	9	"	
3	1	8	SE by E	SE by E	4		29.82	64	62	60	63	"	"	8	"	
4	1	6	SE by E		4		29.82	64	62	60	63	"	"	8	"	Same
5	4	5	SE by E	SE by E	4		29.84	64	62	60	63	"	"	8	"	
6	4	2	SE by E, E		4		29.85	64	62	59	63	"	"	7	"	
7	5	4	SE by E		4		29.85	64	61	59	63	"	"	6	"	
8	7	6	SE by E	SE by E	4		29.85	64	61	59	63	"	"	5	"	Look in say aye and one reef in
9	4		SE by E	SE by E	4	½	29.85	64	61	59	63	"	"	3	"	reef sails
10	4		SE by E	SE by E	4	1	29.85	64	60	59	63	b.e.p.g.	"	7	"	
11	3	6	SE by E	SE by E	3	1	29.85	63	60	59	63	b.e.p.	"	7	"	Took in D.R. sails
Mid.	3	2	SE by E	SE by E	4	1	29.85	63	59	59	63	b.e.p.g.	"	3	"	Took in Courses and spanker

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander H. H. Bell, U. S. Navy,

Tuesday Nov 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unites with Colorado & Galley. Passing rain. Moderate to light breeze from N by W and N by E. Both sailing. Sea smooth. At 2 took in and furled Royals. Crew employed. Sam'l Smith Seaman

From 4 to 8 A.M. Cloudy hazy. Moderate N'ly breeze. Steering to N N W and standing in shore. Various clouds. Light passing showers. Ship under single reefed topsails and main sail. Furled sails and got in topmast stay sail and spanker. Still and by. Quarter Watch. C. B. T. Moore Seaman

From 8 A.M. to Noon. Cloudy. Cool. Pleasant. Moderate to fresh. Standing in towards land from N N W to W by N. At 9 A.M. took in topsails set 2d reefs and furled. At 9.5 inspected at quarters. At 9.40 backed ship to 1st and 2d. Still and by. At 10 to 12 Watch. W. H. Myers. Master

From Noon to 4 P.M. Clear and pleasant. Moderate to fresh breeze from N W by W and N. W by N. For steady last two hours of watch. Fair moderate. At 1.20 rec'd 200 yards and at 2 yds did. Crew handed port boat under all plain sail. Quarter Watch. L. N. Longstreet Lieut

From 4 to 8 P.M. Clear and pleasant. Moderate breeze from W by N. For steering the smooth ship under all plain sail. Light flying jib. Quarter Watch. Ens. J. Swett. Master

From 8 to 12 P.M. Clear. Cool. Moderate breeze from N W. At 8.30 took in 200 yds hose and secured. At sunset mustered at quarters. At 9.30 hove ship to on 1st and 2d. Moderate sea. ~~Sailing~~ For steady Watch. Sam'l Smith Seaman

From 12 M. to 4 A.M. Cloudy and squally. Passing showers. Wind moderate from N by W with frequent squalls. At 9.30 took in S'd sails. At 11.30 took in main sail and spanker. For steady. Sea moderate. Quarter Watch. C. B. T. Moore Seaman

Moon's phase 2d qr See N. 3°

Examined and found to be correct.

Read Walker Lt.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Making passage from Cape Town South Africa to St Helena Island

Hour.	Knots.	Miles	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	6	[illegible]	[illegible]	5-7		29.85	65	59	59	63	beq	Cumulus	5	M	Steered close by the Wind
2	7	2	[illegible]		6-5		29.85	63	59	59	63	"	"	8	"	in squalls at times rain
3	9	7	[illegible]	[illegible]	4-6		29.83	63	59	59	62	"	"	9	"	and squalls
4	9	6	[illegible]	[illegible]	4-6		29.83	63	59	59	62	"	"	8	"	
5	9	2	[illegible]	[illegible]	4-5		29.85	63	57	56	62	"	"	7	"	Double reefed topsails
6	9	2			4-5		29.85	63	57	58	62	beq	"	7	"	single reefed foresails
7	11	6	[illegible]		4-7		29.88	63	58	56	62	"	"	3	"	
8	11	5	[illegible]		4-6		29.92	62	59	57	62	"	"	4	"	
9	11	6	[illegible]	[illegible]	4-5		29.93	62	59	57	62	beq	"	7	"	Set mains sails close
10	9	0	"		3-4		29.95	62	59	57	63	be	"	7	"	one reef out topsails set
11	9	6		[illegible]	4-5		29.97	62	60	58	63	"	"	7	"	jib and spanker shifted
Noon.	11	0	[illegible]	[illegible]	6		29.97	62	60	58	63	"	"	7	"	reef out topsails set

Steered and gaff topsail

Distance run by Log since preceding Noon	86 knots 8 tenths	fathoms.
Latitude by D. R. at Noon	8. 30 · 57	30 "
Longitude by D. R. at Noon	E 13 · 33	"
Latitude by Observation at Noon ⊙	8 30 · 45	48 "
Longitude by Chronometer from Forenoon Observations ⊙	E 13 · 34	"
Current during the time 0 knots 5 tenths fms. per hour setting to the N.		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	·	"
Variation of the Compass by Azimuth ⊙ observed at 8 AM. Lat. 31° 2'S. Long. 13 39 E.	W 29 · 43	"
Water expended during the preceding 24 hours	250	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	21 0	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Lat 1384

P. M.																
1	6	0		NW.	3-6		29.95	62	61	58	63	beq	"	6	A	Steered port tack 2 Yards
2	6	2	[illegible]	[illegible]	3-6		29.99	60	62	59	64	"	"	7	"	
3	6	0	[illegible]		5		30.00	60	63	60	64	"	"	8	"	
4	3	5	"		5		30.00	64	63	59	64	"	"	7	"	Dawn.
5	5	2	"		5		30.02	64	61	59	63	"	"	7	"	
6	4	6	N ½ W.	[illegible]	4		30.02	64	60	58	63	beqp	"	7	"	
7	4	2	N		4		30.07	64	59	58	63	"	"	6	"	Same except gaff topsail
8	4	5	"	"	4		30.08	64	59	58	63	"	"	5	"	
9	5	0	N ½ W.	"	4		30.07	64	59	58	63	be	"	7	"	
10	4	8	N 4 W	"	4		30.10	64	59	58	63	"	"	7	"	
11	4	0	N		3-4		30.10	63	59	58	63	"	"	4	"	Took in no 4 Jib and 2 Jib sails
Mid.	3	6	N ½ W	[illegible]	3-4		30.10	63	59	58	63	beqp	"	4	"	

Lat 8 30' E 13 11'

Lat 8 30 E 13 11

Longitude by Chronometer from Afternoon Observations ⊙	·	"
Longitude by Chronometer from Observations	·	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	·	"
Variation of the Compass by at	·	"

under the command of Comdr W. Scott Delany, U. S. Navy,

Wednesday June 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended AM Clear and pleasant Generally Moderate to very fresh breeze from N by E to N.E by N. Barometer falling slowly At 2 AM hauled down Jib took in spanker At 4 furled all sail and got ship under way At 5 set foresail jib and spanker At 7.45 Moon rose at 2.45 Engineers employed as required Discharged Duty Log

C. E. Mauss
Midn

From 4 to 8 AM Cloudy & Squally Passing rain Moderate to very fresh breeze from N.N.E Barometer rising rapidly At 5.30 carried away weather main topsail sheet clued down & split sails and took in weather clew of main topsail took off reef main topsail set double reefed fore topsail and single reefed jib Double reefed main sail and spanker hauled down jib Washed down & scrubbed Decks Duty Log

C. K. Curtis
Lieut

From 8 AM to 12 Noon Clear & Cool Moderate to fresh breeze from N.N.E Barometer rising Cloudy At 9 set main & mizen sails shook reefs out of topsails set jib and spanker At 9.30 inspected at quarters At 10 shook reefs out of topsails and foresail set Jib and spanker and gaff topsails Exchanged colors with a full rigged English ship standing to N.E

C. S. Jarvis
Midn

From Noon to 4 PM Clear and pleasant Stiff to very fresh breeze from N by E & occasionally moderate Hauled by on port tack Exchanged colors with an English ship from Rangoon to Antwerp Her dead reckoning at noon Lat 39°.20 Long for her longitude At 1 PM wind hauled ahead & squared off for quarter distant 4 miles Ship Crowded Log

Lind. Insley
Ensign

From 4 to 8 PM Clear and pleasant Stiff to moderate breeze from N by E to N.N.E & N.E Occasionally very fresh Barometer steady Ship full and by on port tack Under all plain sail to Jib and Crew piped to supper at 6 PM Duty as required

C. B. T. Moore
Ensign

From 8 to 12 PM Cloudy Pleasant Moderate breeze from N.E by N Barometer steady exercised from 11 to 11.45 At quarters Duty as required Log

C. E. Mauss
Midn

From 12 PM to 4 AM Clear Cool Bright moonlight Moderate to light N.E breeze with a heavy swell from N.E by N At 1.45 took in Jib and spanker Ship on course N by E At end of watch Pleasant and water 27.

C. K. Curtis
Lieut

Moon's phase 2d qr. dec. N. 8°

Examined and found to be correct.

Asa Walker.
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 2 Rate, 46 Guns,

Making passage from Cape Town to St Helena Island

Hour.	Knots.	Minutes	Courses Steered.	Winds. Direction.	Force.	Leeway.	Barometer. Height in inches.	Ther. att'd.	Temperature. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at and at watch.
A. M.																
1	3	4			4		30.10	63	60	58	63	Fc	Cel Cumu	2	D	Set 2d reefs and
2	4	0			4		30.09	63	62	59	63	"	"	2	"	shaked Royals &c
3	3	5			3		30.09	62	61	59	63	"	"	2	"	& Gaffs and Spanker
4	2	6			2		30.09	62	60	58	63	"	"	2	"	set 1 Gaffs & Spanker
5	3				3		30.09	62	61	58	63	"	"	3	"	
6	2	5			1		30.09	62	60	58	63	"	"	1	"	All plain sail
7	1	6			1		30.11	62	60	58	63	"	"	7	"	to royals except
8	1	0			1		30.12	62	61	59	63	"	"	7	"	J jib and Spanker
9		5			1		30.13	63	62	60	63	"	"	9	"	
10		5		"	0		30.13	63	63	62	63	"	"	7	"	Same except
11	1	2		"	1		30.13	64	65	63	64	"	"	8	"	mainsail and Spanker
Noon.	2	0		"	1		30.13	64	67	63	64	"	"	8	"	

Distance run by Log since preceding Noon ·83 knots 2 tenths ~~fathoms~~

Latitude by D. R. at Noon S 29 · 36 "

Longitude by D. R. at Noon E 12 · 48 "

Latitude by Observation at Noon ⊙ S 29 · 20 · 30 "

Longitude by Chronometer from Forenoon Observations ⊙ E 12 · 59 "

Current during the time 0 knots 8 ~~tenths~~ tenths per hour setting to the NNE 3/4 E

Variation of the Compass by Amplitude ⊙ observed at Sunrise · · "

Variation of the Compass by Azimuth ⊙ observed at 8 AM. Lat. S 29° 24' Long. E 13° 2' W. 28 · 35 "

Water expended during the preceding 24 hours 260 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1960 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Minutes	Courses Steered.	Winds. Direction.	Force.	Leeway.	Barometer. Height in inches.	Ther. att'd.	Temperature. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at and at watch.
P. M.																Furled down jib
1					0		30.11	65	68	66	64	"	"	7	S	FJ Mizen
2					0		30.11	66	67	66	64	"	"	7	"	
3					0		30.10	66	67	65	64	"	"	7	"	Set royals mainsail
4	1	8			2		30.10	66	65	63	64	"	"	8	"	& spanker Hoisted
5	2	5			1-2		30.08	66	65	62	65	"	"	9	"	
6	3	5			1-2		30.09	66	63	61	65	"	"	9	"	
7	3	8			3		30.10	66	62	60	65	"	"	9	"	Same
8	4	5			3		30.10	66	61	60	65	"	"	9	"	
9	4	5			4		30.13	66	61	60	68	"	"	9	"	
10	4	8			4		30.14	66	60	59	65	"	"	9	"	
11	5	2			4		30.14	66	60	59	65	"	"	9	"	
Mid.	5	4			4		30.14	68	60	59	65	"	"	9	"	Same

S 29° 13'
E 12° 45'

Longitude by Chronometer from Afternoon Observations ⊙ · · "

Longitude by Chronometer from Observations · · "

Variation of the Compass by Amplitude ⊙ observed at Sunset · · "

Variation of the Compass by at · · "

under the command of Comdr H. A. Ashley, U. S. Navy,

Thursday Oct 7th, 18 8.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Moderate and cool Moonlight & Moderate Starlight Breeze from N.E. and N.E. by E. At 2.30 P.M. saw and spoke Ac. 35 Took Pilot on board at 3.30 Hove short & Moored at 4.30 Furled Sails & Hydrometer 24.

L. P. Jarrett
Master

From 4 to 8 A.M. Moderate and Fluvanna Light airs from N.E. by E. & N.E. Ran away slowly & as daylight increased fell in with the Capes. Anchored & Moored Ac. 7.30 crossed James River Bar and sent down royal yards Ac. 7.45 Parted Starboard Cable Veered away 7 Fathoms more from N.N.W.

Saml Smith
Boatswain

From 8 AM to 12 M. Moderate and Fluvanna Light airs from S.E. to E. Ran slowly down James River & Hampton Roads Ship rolling deeply at times At 8.30 Took in main sail and spanker. At 9.15 came to with starboard Bower in 3 fathoms Water & veered to 1/4 cable Ac. 11.30 Hove short & Moored Ship Swinging at single Anchor At 11.45 Hove short & Moored Ship Swinging at single Anchor At 11.45 Hove short & Moored Ship Swinging at single Anchor At 11.45

LOG of the UNITED STATES Eliza — Ship, 3 Rate, 6 Guns,

Sailing passage from Cape Town South Africa to St Helena

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	7	NNW½W	NW	4-5		30 15	64	60	59	63	2	Cr/Cum	4	A.	Under all plain sails
2	5	7	"	"	4-5		30 10	64	60	59	63	"	"	8	"	Carry'd royals on
3	5	0	"	"	4-5		30 10	64	61	60	63	"	"	7	"	royals
4	5	0	"	"	4		30 09	64	61	60	63	"	"	8	"	
5	4	7	"	"	4		30 09	64	61	60	63	"	"	8	"	Set royals
6	4	0	"	NW	3		30 10	64	62	60	64	"	"	8	"	
7	3	0	"	"	3		30 10	64	62	60	64	"	"	7	"	
8	2	2	"	"	2		30 18	64	63	61	64	"	"	3	"	Under all plain sails
9	1	4	"	"	1		30 14	64	63	61	64	"	"	4	"	Carry'd all sails except royals
10	2	2	"	"	2		30 14	64	64	62	64	"	"	1	"	
11	2	9	"	NW	3		30 16	65	64	62	64	"	"	1	"	
Noon.	2	5	"	"	1		30 15	65	65	63	64	"	"	1	"	All plain sails

Distance run by Log since preceding Noon	78 knots	7 tenths	fathoms.
Latitude by D. R. at Noon	S 28	38	"
Longitude by D. R. at Noon	E 12	43	"
Latitude by Observation at Noon ⊙	S 28	28	30 "
Longitude by Chronometer from Forenoon Observations ⊙	E 11	47	30 "
Current during the time 0 knots 5 tenths fms: per hour setting to the	N.N.E.		
Sy. 1357 Variation of the Compass by Amplitude ⊙ observed at Sunrise			
Variation of the Compass by Azimuth ⊙ observed at 8 P.M. Lat. 28°35'S Long. 11°56'E	W	28	35 "
Water expended during the preceding 24 hours	300 gallons.		
Water during the preceding 24 hours			
Water remaining on hand fit for use at Noon	1550 "		
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1	7	8	NNW½W	NW	2		30 15	66	65	63	64	2	Cr/Cum	4	A.	
2	7	0	"	"	2		30 13	66	65	64	64	"	"	6	"	
3	3	4	"	"	3-4		30 12	66	65	65	65	"	"	6	"	
4	4	5	"	"	4		30 13	66	67	65	65	"	"	6	"	
5	6	0	"	"	4		30 13	66	65	64	64	"	"	4	"	
6	6	2	"	"	5-1		30 15	66	64	63	64	"	"	6	"	
7	6	8	"	NW by W	5-1		30 15	66	63	63	64	"	"	8	"	
8	6	2	"	NW	5-1		30 15	66	63	63	64	"	"	8	"	
9	6	4	"	"	5		30 15	66	68	62	64	"	"	5	"	
10	7	3	"	"	5-6		30 13	66	62	61	64	"	"	1	"	
11	7	5	"	"	5-6		30 18	65	62	61	64	"	"	1	"	
Mid.	7	6	"	"	6		30 18	66	62	61	64	"	"	4	"	

8 28 7
11 11 12

Longitude by Chronometer from Afternoon Observations ⊙			
Longitude by Chronometer from Observations *			
Variation of the Compass by Amplitude ⊙ observed at Sunset			
Variation of the Compass by at			

under the command of Commander W. Scott Shiny, U. S. Navy,

Friday October 5th, 1855.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and writes ~~at~~ All clouds first to W ~~fresh~~ clear latter part & calm Wind W & W fresh & Squally at times & Squalls heavy rain at times Lost an anchor & cable Struck on Middle Ground Bright moonlight At 8 moon set Ended Double reefed Sails

6. B. F. Moore
Captain

From 4 to 8 AM Clear and pleasant Moderate breeze from W & W shifting to S W and falling light Latter part Calm Weigh'd Edgewood from S W Dredging as before

E. L. Brune
Master

From 8 AM to 4 PM Cloudy and pleasant Light and baffling breeze from S W and W Employed heaving Cable At 9 30 received on board Two Pilots 1st Pilot to 1st Dock 2nd Pilot to 2nd Dock 2nd 2nd Secured in one minute Dock cast in Eight on the quarter Squally &c.

C. K. Lewis
Lieut

From Noon to 4 PM. Clear Pleasant Moderate breeze from W & W Bar falling Cloudy Ship moved Ship under all Plain sails Squally &c. Dock cast in eight

E. P. Jarrett
Master

4 to 8 PM. Cloudy Squally Moderate W & W breeze Set Some Clouds Ship under all Plain sail & Two sails in sight at end of Watch Ship anchored 3 Cts about from and Employed ship board off stb quarter Ship moved Squally &c

Wm. L. Lindsey
Captain

From 8 to 12 PM Clear and pleasant Light breeze from W & W to W Ship under all Plain sails Ship moved W & W At 6 30 hauled down Night Ens At 6 30 Moderate at quarters Edgewood
6. B. F. Moore
Captain

From 8 PM to 12 M Cloudy and pleasant Light to fresh breeze from W Bar steady. Ship moderate Light and Squally Squally &c At 9 took in gaff topsail At 10 took in royals Squally &c.

E. L. Brune
Master

Moon's phase 2d qr dec N. 11°

Examined and found to be correct.

Chas Walker
Lieut

Navigator.

LOG of the UNITED STATES. Steamer Essex, 3d Rate, 6 Guns,

Homeward passage from Cape Town to Ascension Island

Hour.	Knots.	Leadline Fathoms	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	0	NNW 1/2 W	SW by S.	6		30.18	64	61	60	65	bc	Haze	3	M	All plain sail to
2	7	5	"	SSW	6		30.18	64	61	59	65	"	"	2	"	Top gallant sails
3	9	4	"	"	6		30.18	64	60	59	65	"	"	1	"	
4	7	5	"	"	4S		30.18	64	60	59	65	0	Cirro Stratus	0	"	
5	7	6	"	"	5		30 19	63	61	59	65	0	"	0	"	
6	8	5	"	"	6		30 20	63	61	59	65	"	"	0	"	
7	8	2	"	"	6		30 21	63	61	59	65	"	"	0	"	Set royals
8	8	0	"	SW by W	6		30 21	63	61	59	65	"	"	0	"	
9	7	5	"	"	5		30 21	63	62	60	64	"	"	6	"	Took in starboard sails
10	7		"	SW	6		30 20	63	62	61	64	"	"	0	"	Flying jib
11	7		"	"	6		30 20	63	63	61	64	bc	"	1	"	
Noon.	6	5	"	"	5		30.20	63	63	61	64	"	"	0	"	

Distance run by Log since preceding Noon: 159 knots 4 tenths fathoms.

Latitude by D. R. at Noon: S 26° 09' 45"

Longitude by D. R. at Noon: E 9° 19' "

Latitude by Observation at Noon ⊙: S 26° 44' 15"

Longitude by Chronometer from Forenoon Observations ⊙: E 9° 12' 30"

Current during the time 0 knots 7 tenths fms. per hour setting to the N.N.W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise: ° ' "

Variation of the Compass by Azimuth ⊙ observed at: ° ' "

Water expended during the preceding 24 hours: 300 gallons.

Water during the preceding 24 hours: "

Water remaining on hand fit for use at Noon: 1260 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

Hour.	Knots.	Leadline Fathoms	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	6	4	And Str. Jr.	S	6		30 20	64	64	62	64	0	Cirro Stratus	0	M	All plain sail & royals
2	6	0	"	"	6		30 21	64	64	62	64	bc	"	1	"	sail
3	7	0	"	"	6		30 24	64	64	63	65	"	"	4	"	
4	7	0	"	"	6		30 23	64	64	63	65	"	"	6	"	Same
5	6	0	"	"	4S		30 20	64	63	62	65	"	"	3	"	
6	6	4	"	"	4S		30 20	65	62	61	65	"	"	2	"	Same
7	7	2	"	"	5		30 20	65	62	60	64	"	"	2	"	
8	6	5	"	"	5		30 20	63	62	60	61	"	"	3	"	
9	7	2	"	"	6		30 20	65	62	60	64	"	"	3	"	3 Royals to reef
10	8	4	"	"	6		30 20	64	62	60	64	"	"	2	"	Courses & jib
11	9	0	"	"	6		30 20	64	62	60	64	"	"	1	"	
Mid.	9		"	"	6		30.21	63	61	59	64	"	"	0		

Longitude by Chronometer from Afternoon Observations ⊙: ° ' "

Longitude by Chronometer from Observations *: ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset: ° ' "

Variation of the Compass by Azimuth at 4 P.M. Lat. S. 26° 27' Long. E. 8° 43': W. 27 ° 40 "

under the command of Comdr H. Scott Schley , U. S. Navy,

Saturday November 2d , 1895.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ~~continues~~ ends Calm Pleasant Moderate to fresh breeze from E by S and E & S. Employed ~~employed~~ employed as requisite getting to E and E by S during 24

C. C. Logan
Lieut

From 4 to 8 A.M. Pleasant Calm Fresh E & S breeze Some thin clouds At 8 hove to off Cape Cod Light Employed during 24

L. P. Jouett
Master

From 8 AM to 12 M. Pleasant first two hours Calm last two Stiff to fresh breeze from E by S and ~~E~~ E & S Moderate At 9 hove to in 22 fathoms At 9.25 hove in 18 fathoms At 9.27 hauled down jib Employed ~~employed~~ Carpenter & Crew ~~Carpenter~~ Seaman (2d) and Ordinary (2d) mending ~~mending~~ sails Gunner & Crew ~~Gunner~~ employed ~~employed~~ as required during 24 At 12 M set jib & double reefed fore & main sails Employed ~~employed~~ as required during 24

Hiram Lindley
Ensign

From 4 to 8 P.M. Calm and Pleasant Fresh breeze from E & S Employed ~~employed~~ filling ship. Fires moderate Ship under all ~~square~~ sail Employed during 24

C. B. J. Moore
Ensign

From 8 to 12 P.M. Calm Pleasant Moderate to stiff breeze from E. Employed ~~employed~~ variously Ship under all plain sail At 12 at 1/2 Employed during 24

Clerk
Clerk

From 4 to 8 P.M. Calm Pleasant Stiff breeze Some thin clouds At sunset made and set quarter ~~quarter~~ ship saluted Plain sail to royals & left Spanker Gaff to peak for sunset Employed ~~employed~~ variously and keeping ship in order during 24

C. K. Longstreth
Lieut

From 8 P.M. to Midnight Calm Pleasant Fresh breeze from E. At 11 hove to on port tack during 24

L. P. Jouett
Master

Moon's phase 2d qr bee N. 21°

Examined and found to be correct.

Chas Walker
Lieut.

Navigator.

LOG of the UNITED STATES Sloop Erie, 3 Rate, 6 Guns,

Starting passage from Cape Town to St Helena Island

Hour.	Knots.	Tenths Fathoms	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	0	NNW½W	SbyE	6 7		30 20	63	61	59	65	bc	Cs Cum	6	M	All plain sail
2	8	5	"	"	7		30 18	63	61	59	64	"	"	4		Lt Sail
3	9	0	"	"	7		30 17	63	61	59	64	"	"	1		
4	8	6	"	"	7		30 17	63	61	59	64	"	"	1		
5	7	6	"	"	5 6		30 17	63	62	60	64	"	"	1		All plain sail
6	7	6	"	"	6		30 18	63	62	60	64	"	"	1		
7	8	6	"	"	6		30 19	63	62	60	64	"	"	1		
8	8	6	"	"	6 7		30 22	63	62	60	64	"	"	1		Handed up Royal clew lines
9	8	6	"	"	6 7		30 21	63	63	62	64	"	"	1		
* 10	7	6	"	SbyE	6 7		30 20	64	64	63	64	"	"	8		Handed up Royals and hauled down jib Furled up fore sail
11	7	5	"	"	6 7		30 20	64	65	64	65	"	"	4		
Noon.	8	9	"	"	6 7		30 20	65	66	64	66	"	"	4		

S 25° 0' E 6° 10'

Distance run by Log since preceding Noon	185 knots	7	tenths fathoms.
Latitude by D. R. at Noon	S 25	1	"
Longitude by D. R. at Noon	E 6	20	30 "
Latitude by Observation at Noon ⊙	S 24	50	15 "
Longitude by Chronometer from Forenoon Observations ⊙	E. 5	56	"
Current during the time 1 knots 0 ~~fms.~~ per hour setting to the W.NW.			
Sq. 1329 Variation of the Compass by Amplitude ⊙ observed at Sunrise			
Variation of the Compass by Azimuth ⊙ observed at			
Water expended during the preceding 24 hours	250	gallons.	
Water during the preceding 24 hours			
Water remaining on hand fit for use at Noon	1000	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.														
	2 0	NNW½W												All plain sail
1	5 0	NNW	J. N E	5 6	30.19	66	67	66	65	bc	Cs Cum	1	M	Furl up sail
2	6 5	"	"	5 6	30.19	66	67	66	65	"	"	1	"	"
3	6 0	"	"	4 6	30.15	67	67	65	65	0	"	0	"	
4	6 0	"	"	4 6	30.15	66	66	65	65	"	"	0	"	Dark
5	6 0	"	"	5 6	30.18	66	65	64	65	"	"	0	"	
6	6 0	"	"	5	30.18	66	65	64	65	bc	"	4	"	
7	6 6	"	"	4 5	30.15	66	64	63	65	"	"	2	"	
* 8	7 0	"	"	4 5	30.18	66	63	62	65	"	"	2	"	Dark
9	6 5	"	"	5	30.18	66	63	62	65	"	"	2	"	
* 10	6 5	"	"	5 1	30.18	66	63	62	65	"	"	4	"	
11	6 7	"	"	5 1	30.18	66	63	62	65	"	"	3	"	All plain sail
Mid.	6 7	"	"	5 1	30.16	66	63	62	65	"	"	4	"	Furl

S 24° 18' E 5° 13'

S 24° 33' E 5° 36'

Sq. 1329

Longitude by Chronometer from Afternoon Observations ⊙			
Longitude by Chronometer from Observations			
Variation of the Compass by Amplitude ⊙ observed at Sunset			
Variation of the Compass by Azimuth at 4 P.M. Lat. S 24° 33' Lng. E. 5° 36'	W 27	45	"

under the command of Gerard C. Scott Esqr , U. S. Navy,

Sunday Nov 10th , 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends Am Cloudy and cool Pres to very fresh breeze from Abm E. Bar falling slowly Sea moderate Lay well from 2 to 6 Ship rolling considerable at times Quarty Sea watch

Fred Smith
Ensign

From 4 to 8 Aft Generally Pleasant Fresh breeze from Abm E Bar rising Moderate Sea setting Topt Sail & Jib royals Quarty and watch

G. B. T. Moore
Ensign

From 8 to 12 Forenoon Cloudy Pleasant Fresh to very fresh breeze from E.S.E. At 11.45 Handed M sail unmoored and hoisted down Fib At 11.55 closed down Foresail & reefed same & set Ship under all plain sail except mainroyal & mizen royal Mizen Moderate and from 4th Ship rolling deeply at times Quarty

Ed Brown
Midn

From 12 to 4 PM Cloudy and Pleasant Fresh breeze from E.S.E. Bar slowly last two hours At 2 changed course to S.S.W. Moderate Sea Quarty and watch Set fore royal

C. K. Leggett Jr
Lieut

From 4 to 8 PM Cloudy and Pleasant Stiff breeze from E.S.E. Sea moderate Lay well from 2nd Ship under all plain sail except main & mizen Close down fore royal at 4 royal Yard at 5 Quarty

C. P. Jewett
Master

From 8 to 12 PM Cloudy and Pleasant Moderate to strong breeze from E.S.E. Bar rising Lay well Rolling to 2nd watch Hove too at 9.30 Quarty

Fred Smith
Ensign

From 12 to 4 AM Cloudy Occasional moonlight Hove down at 10 for 2 hours Ship put under sail at 12 Quarty

C. B. T. Moore
Ensign

Moon's phase 3rd qr, see N-24°

Examined and found to be correct

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 6 Guns,

Sailing Passage from Cape Town to St Helena Island.

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	4	NNW	ESE	5		30.15	65	63	63	65	bd	Cir Cum	6	Rl	All square sail
2	7	4	"	"	5		30.13	65	63	63	65	"	"	4	"	except mizen sail
3	7	2	"	"	5		30.12	65	62	62	65	"	"	5	"	
4	7	4	"	"	5		30.12	65	64	62	65	"	"	4	"	
5	7	2	"	"	5		30.12	65	63	62	65	"	"	1	"	
6	7	2	"	"	5		30.12	65	62	62	65	"	"	1	"	Same
7	6	6	"	"	5		30.14	66	63	62	66	"	"	1	"	
8	7	0	"	"	5		30.15	65	64	63	66	"	"	1	"	
9	7	5	"	"	5		30.15	65	65	64	66	"	"	1	"	
10	7	5	"	"	5		30.15	65	65	64	66	"	"	1	"	Same.
11	7	0	"	"	5		30.16	65	67	65	66	"	"	1	"	
Noon.	7	0	"	"	5		30.16	66	65	66	66	"	"	1	"	

Distance run by Log since preceding Noon	163 knots	0	tenths
Latitude by D. R. at Noon	S. 23	7	"
Longitude by D. R. at Noon	E. 3	38	"
Latitude by Observation at Noon ☉	S. 23	7.25	"
Longitude by Chronometer from Forenoon Observations ☉	E. 3	25	"

Current during the time 0 knots 5 tenths per hour setting to the West.

Sq. 1328 Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 AM. Lat 23°27'S. Long 3°51'E. W 27 5 "

Water expended during the preceding 24 hours 250 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 760 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	5	8	NNW	ESE	5		30.15	67	68	67	66	bd	Cir Cum	2	Rl	All square sail except mizen sail
2	5	8	"	ESE	4		30.15	67	68	67	66	"	"	3	"	
3	5	5	NbW	SbE	4		30.13	67	69	68	66	"	"	4	"	
4	4	5	"	ESE	4		30.12	67	69	68	66	"	"	4	"	
5	4	5	"	"	3-4		30.11	67	68	67	66	"	"	2	"	
6	5	7	"	"	3-4		30.11	68	66	65	66	"	"	1	"	Same.
7	6	2	"	ESE	4		30.11	68	65	64	66	"	"	2	"	
8	5	5	"	"	4		30.12	68	65	64	66	"	"	4	"	
9	6	5	"	ESE	4		30.13	68	65	64	66	"	"	4	"	
10	6	5	"	"	4		30.15	67	65	64	66	"	"	6	"	
11	6	5	"	"	4		30.17	67	65	64	66	"	"	4	"	Same
Mid.	6	5	"	"	4		30.15	67	64	63	66	"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉			
Longitude by Chronometer from Observations ☽			
Variation of the Compass by Amplitude ☉ observed at Sunset			
Variation of the Compass by at			

under the command of Comdr H. Scott Schley, U. S. Navy,

Monday November 1st, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M. Cloudy. Pleasant. Light breeze from S.E. & Hazy. at 11 AM from the Pensacola Deputy Ship in company and at Quarantine 26 M

G. K. Leyton
Lieut

From 4 to 8 A.M. Cloudy and pleasant. Light breeze from S.E. & Barometer rising. Sea moderate. Employed from S.E. & Ship Pensacola Deputy at Quarantine No. 26 Station. Fired in Two Boilers & Quarantine 26.

L. P. Jewett
Master

From 8 A.M. to Noon. Cloudy. Pleasant. Light breeze from S.E. & Barometer rising slowly. Sea moderate. Employed as before from S.E. and E.S.E. Quarantine 26 & Steam in Two Boilers.

Edward Speiden
Ensign

From Noon to 8 P.M. Cloudy. Warm. Moderate S.E. & E. breeze. Barometer falling slowly. Employed as before. Received on board the following named persons viz. Patient Engineer Lt. to U.S. Str. Johnson. Dr. to U.S. Str. Wyoming. Dr. Chief Engineer to Steamer Pensacola. Dr. to U.S. Str. Shawnee. Two Coal Heavers. Two Firemen. Two Boilers in Two Boilers. Distilling. Quarantine 26

G. B. T. Moore
Surgeon

From 8 to 12 P.M. Cloudy and pleasant. Gentle to moderate breeze from S.E. & E. Employed as before. Two Seamen in Two Boilers. Distilling. Quarantine 26.

G. K. Leyton
Lieut

From 12 to 4 P.M. Cloudy and pleasant. Moderate breeze from S by E. Barometer rising slowly. Sea moderate. Two Firemen in Two Boilers. Distilling. Quarantine as before 26

L. P. Jewett
Master

From 4 to 8 P.M. Partially cloudy. Pleasant. Barometer rising slowly. Moderate breeze from S.E. Sea moderate. Sailing as before at 7.45 Engines stopped. Light ahead. Hove to at 8.00 Two Seamen in Two Boilers. Distilling. Quarantine as before 26

Edward Speiden
Ensign

Moon's phase 3d qr. Dec. N. 26

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Fiume Brig, 3 Rate, 6 Guns,

Making passage from Cape Town South Africa to St Helena Island.

Hour.	Knots.	Fathoms	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	4	N by W 1/2 W.	S. S. E	6		30.11	66	64	63	66	b c	Ci Cu	4	S	All square sails
2	7	4	"	"	6		30.10	66	64	63	66	"	"	8	"	except mainsail
3	7	6	"	"	6		30.08	66	64	63	66	"	"	6	"	
4	7	6	"	"	6		30.08	66	64	63	66	"	"	4	"	
5	7	5	"	"	5		30.08	66	64	63	66	"	"	2	"	
6	6	5		"	4.5		30.10	66	64	63	66	"	"	2	"	
7	5	0	"	"	3.4		30.12	66	64	64	66	"	"	2	"	hoisted jib & knocked down jib
8	4	4	"	"	3.4		30.15	66	64	64	66	"	"	2	"	
9	4	4	"	S E	3.4		30.15	66	66	64	66	0	"	0	"	
10	4	6	"	"	4		30.15	67	66	66	67	"	"	0	"	All plain square sails
11	4	8	"	S S E	4		30.15	67	67	66	67	"	"	0	"	except mainsail
Noon.	4	5	"	"	3		30.15	67	67	66	67	"		0	"	

Distance run by Log since preceding Noon: 138 knots 4 tenths fathoms.

Latitude by D. R. at Noon: S 21 · 35 "

Longitude by D. R. at Noon: E 1 · 34 "

Latitude by Observation at Noon ☉: S 21 · 32 44"

Longitude by Chronometer from Forenoon Observations ☉: E 1 · 36 "

Current during the time knots fms. per hour setting to the

Sp 1328 Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 20 AM dist 21°44'S dlng 1°48'E. W. 27 · 15 "

Water expended during the preceding 24 hours: 350 gallons.

Water Condensed during the preceding 24 hours: 700 "

Water remaining on hand fit for use at Noon: 11 00 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

Hour.	Knots.	Fathoms	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	5	0	N by W 1/2 W.	S S E	3		30.13	68	70	65	67	0	Cu Cu	0	M	
2	4	0	"	"	3.4		30.12	68	70	69	65	b c	"	1	"	
3	4	5	"	"	3.4		30.11	68	69	67	68	"	"	1	"	
4	5	0	"	"	4		30.10	68	68	66	68	"	"	1	"	
5	5	4	"	S	4		30.10	68	68	66	68	"	"	2	"	Set jib
6	5	4	"	"	4		30.10	68	67	65	68	"	"	2	"	
7	5	0	"	S S W	4		30.09	68	66	65	66	"	"	1	"	
8	5	0	"	S W	4		30.12	68	66	65	66	"	"	2	"	Set spanker
9	6	6	"	"	4.5		30.12	68	65	64	66	0	"	0	"	
10	6	5	"	S S W	5		30.12	68	65	64	66	"	"	0	"	All plain square
11	6	5	"	"	5		30.12	68	65	64	66	"	"	0	"	sails except mainsail
Mid.	6	0	"	S.	5		30.12	68	65	64	66	"	"	1	"	south jib

Lat 21°32' S. Long E. 1°36'

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude ☉ observed at Sunset

Variation of the Compass by at

under the command of Comdr W. Scott Schley, U. S. Navy,

Tuesday November 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced ambulance drill. Cloudy & cool. Fresh & breezy from NW. Few cumulus clouds. Bright moonlight. Long swell from NE. & E. Ship under all square sail & steamer. Variable. Engines employed in exercising ship. Fires banked in two boilers. Distilling. Quantity evaporated 27.

L. B. T. Moore
Ensign

Begins with light & cloudy and pleasant. Ship to gentle breeze from E.S.E. Few cumulus clouds & hazy. Swell from NE. and E. Engines employed in exercising ship. Fires banked in two boilers. Quantity 27. At 9.35 AM sighted Gt Egg Island bearing NW by W 7 miles. Hauled down jibs.

L. K. Lewis
Lieut

From 4 to 8 light & cloudy and pleasant. Gentle to moderate breeze from E by S and E.S.E. Long swell from NE and E. At 7.5 two points at quarter. At 11.50 hauled down jibs. Fires banked in two boilers. Distilling. Quantity evaporated 26.

L. P. Jouett
Cadet

From 8 to 12 M. cloudy and pleasant. Gentle to moderate breeze from E by S. Barometer falling slowly. Engines employed exercising ship. At 12 M. changed course to S.E. by E. Fires banked in two boilers. Distilling. Quantity evaporated 26. Watch at work coaling ship and filling tanks.

Wm. C. Impey
Engineer

From 12 to 4 P.M. cloudy and pleasant. Moderate & light breeze from E by S. At 3 sighted ship under all plain square sail and jib. Engines employed exercising ship. Fires banked in two boilers. Distilling. Quantity evaporated 26.

C. A. Mayo
Midn

From 4 to 8 P.M. cloudy and pleasant. Moderate breeze from E.S.E. employing to 6 P.M. At 6 P.M. secured at quarters. At 7. Set sperker. Quantity evaporated 26. Exercised at G.Q. Fires banked in two boilers. Distilling.

L. M. Lewis
Lieut

From 8 P.M. to Midnight. Overcast and pleasant. Light breeze from E by S. Engines employed exercising ship. At 9.35 hauled up sperker. Fires banked in two boilers. Distilling. Quantity evaporated 27.

L. P. Jouett
Master

Moon's phase 3d qr. dec N 27°

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Fear, 3 Rate, 6 Guns,

Habana [illegible] from Key West South Pacific Ocean Island

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	0	NNW	Var & E	4		30.12	67	65	64	66	1	Cir Cum	0	M	Plain sail to royals
2	6	0	"	"	4		30.10	67	65	64	66	"	"	0	"	except mainsail
3	5	8	"	"	4		30.09	67	65	64	66	"	"	0	"	spanker and flying
4	5	5	"	"	4		30.08	67	65	64	66	"	"	0	"	jib
5	5	6	"	"	4		30.09	67	65	64	66	"	"	0	"	
6	5	6	"	"	4		30.10	67	65	65	66	"	"	0	"	hauled down jib
7	5	4	"	"	4		30.12	67	65	65	66	"	"	0	"	
8	5	7	"	"	4		30.13	67	66	65	66	"	"	0	"	
9	4	5	"	"	4		30.13	67	66	65	66	"	"	0	"	
10	4	4	"	Var & E	4		30.14	67	66	65	66	"	"	1	"	set jib and spanker
11	4	0	"	Var	3		30.14	67	67	66	67	bc	"	1	"	hoisted jib and boy at Pilot
Noon.	3	5	"	"	3		30.13	68	69	67	67	"	"	3	"	for 7 Grails and rajis

Dist 8 20°21' W
Long 0° 0'

Distance run by Log since preceding Noon	124 knots	0 tenths
Latitude by D. R. at Noon	S. 20 · 13 · 44	"
Longitude by D. R. at Noon	W. 0 · 7	"
Latitude by Observation at Noon ⊙	S. 20 · 10 · 35	"
Longitude by Chronometer from Forenoon Observations ⊙	W. 0 · 14	"
Current during the time 0 knots 3 tenths per hour setting to the	W.NW.	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	"	"
Variation of the Compass by Azimuth ⊙ observed at	"	"
Water expended during the preceding 24 hours	200	gallons.
Water condensed during the preceding 24 hours	750	"
Water remaining on hand fit for use at Noon	1600	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.														
1	5	5	NNW	"	1	30.12	70	72	69	67	bc	Cir Cum	2	M	
2	5	4	"	"	2	30.10	70	73	72	67	"	"	5	"	
3	5	5	"	"	2	30.09	71	73	71	68	"	"	1	"	
4	5	5	"	Var & E	2	30.09	70	70	65	68	"	"	1	"	
5	5	5	"	Var & E	3	30.09	69	69	67	67	"	"	2	"	
6	5	3	"	"	3	30.09	69	68	67	67	"	"	2	"	
7	5	6	"	"	3	30.10	68	67	66	67	"	"	3	"	
8	4	3	"	Var & W	3-4	30.11	68	66	65	67	"	"	6	"	set spanker
9	4	3	"	"	3	30.11	68	67	65	67	"	"	4	"	All square sail
10	4	6	"	Var	4	30.12	68	67	65	67	"	"	1	"	except mainsail
11	5	0	"	"	4	30.12	68	67	63	67	0	"	0	"	jib and spanker
Mid.	4	8	"	Var & E	4	30.12	68	66	63	67	"	"	0	"	

S 19°30' E 0°33'

Longitude by Chronometer from Afternoon Observations ⊙	"	"
Longitude by Chronometer from Observations *	"	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	"	"
Variation of the Compass by at	"	"

under the command of Commander P. Scott Schley, U. S. Navy,

Wednesday Nov 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended P.M. Cloudy and Pleasant Moderate breeze from SW by S and SSE Bar falling slowly Discontinued and secured Two boilers Distilling Density 26

Lieut.

From 4 to 8 A.M. Pleasant and Pleasant Moderate breeze from SW by S Pleasant Cloudy At 6 hauled down jib Under all sail and steam as required Density 26 Fires hauled in Two boilers As at 4 for 25 lbs Distilling

Master

From 8 A.M. to Noon Pleasant Moderate breeze from SW by S Pleasant Cloudy At 9 set jib and pennant At 10 took in Port S.A. and royal sail down Yards and sail set SW side At 11 crossed yards and set sails At 9.15 AM sounded at quarters Disconnected 1st and 2nd div at stations Fires hauled in two boilers Distilling Density 27.

Lieut

From Noon to 4 P.M. Cloudy and Pleasant Gentle breeze from SSE and SE Bar falling slowly Hove well to At 3 sent down Main and Jib and royal yards and sail set sails Fires hauled in two boilers Distilling Density 26

Master

From 4 to 8 P.M. Cloudy and Pleasant Light breeze from SW by S Bar Cloudy Hove to at 4.30 PM Unmoored ship Set gallant and royal yards and set sails Fires hauled in Two boilers Distilling Density remainder 26

Cadet

From 8 to 12 P.M. Clear Pleasant Gentle breeze from SW by S Steering SW by W Bar Steady Cloudy At 9 sent watch at quarters At 7 set starboard Ship on course Employed as appears on deck Kept watch Fires hauled in two boilers As steam for 25 lbs Distilling Density remainder 26

Master

From 12 M. to 4 A.M. Cloudy and Pleasant Moderate breeze from SW by W Steering SW by S On course NW Fires hauled in two boilers Distilling Density remainder 26

Lieut

Moon's phase 3d qr dec N. 26°

Examined and found to be correct.

Asa Walker.
Lieut

Navigator.

LOG of the UNITED STATES Swan Essex , Rate, 6 Guns,

Cruising Passage from Cape Town to St Helena Island

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	0	N N W	Fresh	3		30.12	68	65	64	67	0	Cir Cum	0	S	Jib & spanker set
2	4	8	"	"	3		30.12	68	65	64	67	"	"	0	"	all plain square
3	5	9	"	"	4		30.12	68	65	64	67	"	"	0	"	sail except mainsail
4	5	0	"	"	4		30.12	68	65	64	67	"	"	0	"	
5	5	2	"	Fresh E	4		30.12	67	66	64	67	60	"	1	N	
6	5	2	"	"	3.4		30.12	67	66	65	67	"	"	1	"	Took in
7	4	6	"	N.E.	4		30.12	67	66	65	67	"	"	1	"	Spanker
8	4	6	"	N.E.	4		30.13	67	66	64	67	"	"	1	"	
9	5	0	"	"	4		30.15	67	67	65	67	"	"	1	"	
10	5	6	"	"	4		30.15	67	68	66	67	"	"	1	"	
11	4	4	"	"	4		30.15	68	70	68	67	"	"	1	"	Hauled down Jib
Noon.	4	8	"	"	4		30.15	68	70	68	67	"	"	1	"	

S 19° 15' W 1° 26'

Distance run by Log since preceding Noon	101 knots	4 Tenths fathoms.
Latitude by D. R. at Noon	S. 19 · 2 · 29	"
Longitude by D. R. at Noon	W. 1 · 33 · 30	"
Latitude by Observation at Noon ⊙	· ·	"
Longitude by Chronometer from Forenoon Observations ⊙	W 1 · 41	"
Current during the time knots fms. per hour setting to the		
Sq 642 Variation of the Compass by Amplitude ⊙ observed at Sunrise	· ·	"
Variation of the Compass by Azimuth ⊙ observed at 9 33 Mm Lat S 19° 10' Long W 1 31	W. 25 · 33	"
Water expended during the preceding 24 hours	250	gallons.
Water Condensed during the preceding 24 hours	750	"
Water remaining on hand fit for use at Noon	2100	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1	4	8	N N W	N.E.	4		30.12	69	71	69	67	0	Cir Cum	0	M	
2	4	2	"	"	3		30.10	69	72	70	67	"	"	0	"	Took in Spanker
3	3	6	"	"	3		30.10	69	72	70	67	60	"	1	"	All sail
4	4	0	"	"	3		30.10	69	71	70	67	"	"	2	"	
5	4	0	"	"	3		30.08	69	71	69	67	"	"	1	"	All plain sail
6	4	2	"	"	3		30.08	69	70	69	67	"	"	1	"	except mainsail
7	4	2	"		3		30.10	69	69	69	67	"	"	1	"	
8	4	2	"	N.E.	3		30.12	69	68	66	67	"	"	1	"	
9	4	4	"	N.E.	3		30.13	69	68	66	67	"	"	1	"	Set Spanker and Jib
10	4	9	"	"	4		30.13	69	68	66	66	"	"	1	"	Took in Spanker
11	4	6	"	"	4		30.14	69	67	66	66	"	"	0	"	
Mid.	4	6	"	"	4		30.14	69	67	66	66	"	"	0	"	

S 18° 51' W 2° 2'

Longitude by Chronometer from Afternoon Observations ⊙	· ·	"
Longitude by Chronometer from Observations *	· ·	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	· ·	"
Variation of the Compass by at	· ·	"

under the command of Comdr P. Colt Alley , U. S. Navy.

Thursday September 14th , 185 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and settled All Pleasant and Pleasant Gentle to moderate breeze from E. Bar steady Employed from 4 to 8 Fires banked in two boilers Distilling Quantity see under 26

L. P. Jarrett
Master

From 8 to 12 M. Cloudy and Pleasant Moderate breeze from E by E and E.S.E. Bar rising steady Fire moderate Fires banked in two boilers Distilling Quantity see under 26 At 6.30 took in spanker

Saml Langley
Engineer

From 12 M. to 4 P.M. Cloudy Pleasant Moderate breeze from E.S.E. Fair Some clouds At 2.15 inspected at quarters Crew of Co. Company No. at single Quick At 2.30 turned down Jib Ship under all square sail except mainsail Fires banked in two boilers At steam Pressure Distilling Quantity see Log 26

Ed. L. Bruns.
Pilot

From 4 to 8 P.M. Cloudy Pleasant Gentle breeze from E.S.E. Fair Some clouds At 4.15 Shifted jib and foresail Hoisted & set in Starboard tack Fires banked in two boilers Distilling Quantity 26

L. K. Loomis
Lieut

From 8 to 12 P.M. Cloudy and Pleasant Gentle breeze from E.S.E Bar rising Fires as per Log Ship in night Starboard Tack Ship on course N.E. by N under all Sail square sail except mainsail Fires banked in two boilers Distilling Quantity 26

L. P. Jarrett.
Master

From 12 to 4 P.M. Cloudy and Pleasant Gentle breeze from E.S.E. Bar rising Sea moderate At sundown muster at Quarters Ship in night at dark Barney At 4 P.M. Pleasant Moderate Fires banked in two boilers Distilling Quantity 26

Saml Langley
Engineer

From 4 to 8 P.M. Cloudy Pleasant Moderate E.S.E breeze Fair Some clouds At 5.30 set jib and spanker At 8 P.M. took in spanker Ship on course under jib and all square sails except mainsail Fires banked in two boilers At steam Pressure Distilling Quantity see under 25.

Ed. L. Bruns.
Pilot

Moon's phase 3d qr. Dec N. 24°

Examined and found to be correct.

Asa Walker.
Lieut ——

Navigator.

LOG of the UNITED STATES Steamer Texas, 3 Rate, 6 Guns,

Steaming Passage from Hampton Roads to Ft Pickens Florida

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Force.	Leeway.	Barometer. Height in inches.	Ther. att'd.	Temperature. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	7	NNW	SE	3		30.12	68	67	66	66	0	Cirrus	0	Lr	Set and Reefed Mainsail
2	5	5	"	"	4		30.12	68	67	66	66	"	"	0	"	Sail reefed
3	5	4	"	SE by S.	4		30.09	68	67	66	66	"	"	0	"	Mainsail
4	5	5	"	"	4		30.09	68	66	66	66	"	"	0	"	
5	5	6	"	"	4		30.09	68	66	65	66	"	"	0	"	
6	4	8	"	"	4		30.09	68	66	65	66	"	"	0	"	
7	5	4	"	"	4		30.10	68	66	65	66	"	"	0	"	
8	5	3	"	"	4		30.14	68	66	65	66	"	"	0	"	
9	5	3	"	"	4		30.16	68	67	66	66	"	"	0	"	All sail set
10	5	4	"	"	4		30.16	68	68	67	67	Ohzd	"	0	"	Ft Pickens in sight
11	5	2	"	"	4		30.16	68	69	67	67	Hzd	"	1	"	Starboard Cable
Noon.	5	2	"	"	4		30.16	68	69	67	67	Hzd	"	2	"	Mainsail

S 17°46' W. 3°8'

Distance run by Log since preceding Noon 114 knots 5 tenths fathoms.

Latitude by D. R. at Noon S 17 . 45 . 35 "

Longitude by D. R. at Noon W 3° . 10' "

Latitude by Observation at Noon ☉ S 17 . 35 . 24 "

Longitude by Chronometer from Forenoon Observations ☉ W. 3 . 18 "

Sg. 642 Current during the time 0 knots 4 tenths ~~fifths~~ per hour setting to the NWbyW

Variation of the Compass by Amplitude ☉ observed at Sunrise " " "

Variation of the Compass by Azimuth ☉ observed at " " "

Water expended during the preceding 24 hours 250 gallons.

Water Condensed during the preceding 24 hours 950 "

Water remaining on hand fit for use at Noon 2800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
1	5	8	NNW	SE by S	3-4		30.14	67	69	68	67	Hzd	"	5	D	Set Spanker Topmast Staysail and Gaff Topsail
2	5	8	"	"	3-4		30.12	67	69	68	67	"	"	6	"	
3	4	4	"	"	4		30.11	67	69	68	67	"	"	7	"	
4	5	4	"	"	4		30.10	67	69	68	67	"	"	7	"	
5	5	2	"	"	3-4		30.09	67	67	67	67	"	Cirrus	4	"	Clewed up Fore Topmast Staysail
6	4	4	"	SE	4		30.09	67	68	67	67	"	"	3	"	Mainsail
7	4	2	"	"	3		30.09	67	67	66	67	0	Cirrus Stratus	0	"	
8	5	5	"	"	3		30.09	67	67	66	67	Hz	"	8	"	
9	4	8	"	SE by S	4		30.14	68	68	66	67	0	"	6	"	
10	5	7	"	"	4		30.15	68	67	66	66	"	"	0	"	
11	5	6	"	"	4		30.15	68	67	66	66	"	"	0	"	
Mid.	5	8	"	"	4		30.15	68	67	66	66	"	"	0	"	

S 17°42' W. 3°07'

Longitude by Chronometer from Afternoon Observations ☉ " " "

Longitude by Chronometer from Observations * " " "

Variation of the Compass by Amplitude ☉ observed at Sunset " " "

Variation of the Compass by Azimuth at 4 P.M. W. 20 . 45 "

under the command of Lieut H. A. Scott of Navy, U. S. Navy,

Friday November 16th, 1855.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends P.M. Fine cool and pleasant Moderate breeze from NE and NE by E. Ship's course NW by W. Employed as per Fire bucket in two bricks & Drilling Quarters as watch

C. K. Lewis
Lieut

Ends as per P.M. Fine cool and pleasant Moderate breeze from NE by E. Employed as per At daylight sighted a sail one point on starboard bow Fire bucket in two bricks Drilling Quarters as

E. P. Quett
Master

Begins A.M. Cloudy Pleasant Moderate breeze from NE by E. Light rain squalls latter part of Day. Cloudy & moderate At 8.30 stopped drilling At 9 Exercised at Fire quarters At 9.45 hauled Fires Dock in stbd. clew of mainsail Pike sail in sight at end of watch. bearing SW by W distant about 2 miles Density sea water 25 Cleaned and stowed down Spars

Edwd C. Grubb
Engineer

Ends Moderate NE breeze Fair Cloudy At 2.15 at quarters Employed and got to sail and weather clew of mainsail All plain sail except fore topmast Staysail Full rigged ship in sight 2 pts on lee bow distant 5 Miles Density sea water 25

E. B. J. Moore
Carpenter

Ends P.M. Cloudy and pleasant Gentle to moderate breeze from NE Ship's course NW by W Got up and bent both bower chains At 5.45 went to quarters and secured coal clean hammocks Ship in sight 2 pts on lee bow Density sea water 25.

A. M. Burns
Master

Ends as per P.M. Overcast and pleasant Gentle breeze from NE Light showers of rain latter part of watch At dark lost sight of ship 8 pts on starboard bow Density sea water 25.

C. K. Lewis
Lieut

Ends P.M. as Mid Cloudy Pleasant Moderate breeze from NE by E Ship's course ship under all square sails Density sea 25

E. P. Quett.
Master

Moon's phase 3d qr. Dec. N. 20°

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Iroquois, 2 Rate, 6 Guns,

Jamestown Ft Roland Island

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	1			4		30.19	67	67	66	66	0	Cs Cus	2	S	Ft Plain sail & Sp'r sail
2	4	7	"	"	3-4		30.11	67	67	66	66	"	"	0	"	Ft Royal sail
3	4	6	"	"	3-4		30.10	67	67	66	66	"	"	0	"	Took in Royal sail
4	5	2	"	"	4		30.10	67	67	66	66	"	"	0	"	Set Royal sail
5	4	8	"	"	3-4		30.10	68	68	67	66	"	Cs & Cus	0	"	Set sail & set watch
6	5	3	"	"	4-5		30.10	68	68	67	66	"	Nimbus	0	"	Furled sail & set Watch
7	6	2	"		5		30.13	68	67	66	65	"	"	0	"	Furled sail
8	6	0	"		5		30.14	67	68	67	65	"	"	0	"	
9	5	8	"		4		30.15	67	65	67	68	"	"	0	"	
10	5	3	"		4		30.15	67	68	67	68	"	"	0	"	Set Spanker & Jib
11	6	7	"		5		30.15	67	69	68	68	"	"	0	"	Furled Royal sail
Noon.	6	6	"	"	5		30.15	67	69	68	68	"	"	8	"	Furled Sail & Watch

Sg. 642

S 16° 15' W 3rd Qr

Sg. 641

Distance run by Log since preceding Noon	124	knots	4 tenths ~~hundredths~~
Latitude by D. R. at Noon	S 16	11	"
Longitude by D. R. at Noon	W 4	54	"
Latitude by Observation at Noon ⊙	S 16	11	"
Longitude by Chronometer from Forenoon Observations ⊙	W. 5	05	"
Current during the time 0 knots 4 ~~hundredths~~ tenths per hour setting to the West.			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	'	"
Variation of the Compass by Azimuth ⊙ observed at	°	'	"
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	2450		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.															
1	5	8			5	30.14	66	70	68	68	0	"	0	S	Plain sail & Sp'r sail
2	5	0	"	"	4	30.12	69	70	68	68	"	"	0	"	Ft Royal sail & Sp'r Royal sail
3	6	2	"	"	4	30.12	69	70	69	68	"	"	0	"	and Steam
4	8	4	"	"	4	30.10	68	71	69	68	"	"	0	"	
5	7	5	"	"	4	30.09	68	71	70	68	"	"	4	"	Took in sea jacket
6	Standing by for Soundings				5	30.09	68	71	70	=	"	"	10	"	all sail & Steam
7	at Anchor				3-4	30.10	68	70	68	"		"	0	"	
8	"				3-5	30.12	69	69	67		60	"	2	"	
9	"				3-5	30.12	69	69	67		"	"	6	"	
10	"				3-5	30.14	69	66	67		"	"	1	"	
11	"				3-5	30.14	68	69	66		"	"	1	"	
Mid.	"				3-6	30.14	68	69	66		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	'	"
Longitude by Chronometer from Observations *	°	'	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander P. Scott Dulany, U. S. Navy,

Saturday November 16th, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M. Overcast Pleasant Gentle to moderate breeze from S.E. & S. Sea Hows Course Observed as light. At 8 set Spanker & off topsail and 2 jibs and hauled aft the main sheet & mainsail. Ships crew under all sail except watch. Quarter 2 P.M. Quarter

4 to 8 P.M. Overcast and pleasant Moderate to stiff breeze from S.E. & S. Ship as under Yesterday Full rigged ship in sight about four miles Quarter Sea water 24 Bar rising

E. B. J. Moore
Ensign

From 8 P.M. to 4 A.M. Overcast and pleasant Moderate to stiff breeze from S.E. by S. to S.S.W. At 9.25 reefed main sail & furled the jib. At 9.50 changed course to S.W. by W. At 10 mustered all hands at quarters Secured clear Hammocks & full rigged ship in sight 8 points about Quarter 24 At 12 set 2 jibs gaff topsail Spanker Quarter watch clear of mainsail At 2 Doctor went on board St Helena bore W.N.W. 2 miles

C. H. Binns
Midn

Wind from S.S.W. Cloudy and pleasant Moderate breeze from S.E. by S. Barometer rising slowly At 2.20 changed course to S.W. by W. At 2.30 took in and furled mainsail set main topsail At 2.40 started fires in 4 boilers At 3 took in main try sail At 3.30 hauled down jib and commenced cleaning boat in Spanker At end of watch Barometer St Helena bore S.E. by E. 1/2 E. 8 miles Dead reckoning Light in sight N. by W. quarter 20 miles Quarter 24.

L. M. Garrett
Lieut

4 to 8 P.M. Pleasant Moderate breeze from S.E. Running down for Jamestown. At 4 took in light sails and forecast At 5 clewed up and Running under foresail At 5.40 to

E. P. Jarvis
Master

From 8 to 12 P.M. Cloudy Pleasant Moderate breeze from S.E. by E. Standing in for anchorage. At 10 came to anchor in 4 1/2 fathoms water with port anchor in 2 fathoms chain. Buoy too close to the barque gave us 4 fathoms anchor was shifted 100 yards. At 7 let go port anchor in 9 fathoms water in 3 fathoms chain Buoy of quarter boat E. by N. 1/2 N. distant 1/2 mile Light House E. by S. 1/2 S. in Jamestown 1 1/2 miles Left off in the 3 fathoms line At sundown sent down light yards unbent light sails

Wm. C. Pendleton
Ensign

From 12 M. to 4 P.M. Cloudy and pleasant Squally Cloudy Gentle breeze Standing in for Jamestown from S.E. and E.S.E. At 12 noon hoisted colors and hove log

E. B. J. Moore
Ensign

Moon's phase 3d qr See N. 16

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES [illegible] Rate, [illegible] Guns,

James-town & Fishkill

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1					36		30.12	68	68	67		bc	Cu Ni	2	D.	
2					35		30.11	68	68	67		"	"	1	"	
3					36		30.12	68	68	67		o/c.	"	0	"	
4					35		30.12	68	68	67		"	"	0	"	
5					34		30.10	68	68	67		"	"	0	"	
6					34		30.12	68	68	66		bc	"	1	"	
7					34		30.14	68	68	66		"	"	1	"	
8					34		30.15	68	69	67		"	"	1	"	
9					34		30.15	68	70	67		"	"	1	"	
10					34		30.16	69	71	68		"	"	1	"	
11					34		30.17	69	70	69		"	"	1	"	
Noon.					35		30.16	69	72	69		"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observation at Noon ☉ — ° ' "

Longitude by Chronometer from Forenoon Observations ☉ — ° ' "

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ☉ observed at — ° ' "

Water expended during the preceding 24 hours — How — gallons.

Water during the preceding 24 hours — " — "

Water remaining on hand fit for use at Noon — 2060 — "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1					35		30.16	70	72	69		bc	Cu	8	D	
2					35		30.15	71	73	68		"	"	8	"	
3					35		30.12	71	73	69		"	"	8	"	
4					34		30.12	71	72	69		"	"	8	"	
5					34		30.12	72	72	69		"	"	4	"	
6					34		30.12	72	71	67		"	"	9	"	
7					35		30.12	72	69	66		"	"	1	"	
8					35		30.12	71	68	66		"	"	6	"	
9					35		30.13	70	69	67		"	"	8	"	
10					35		30.14	70	69	67		"	"	8	"	
11					35		30.14	70	68	67		"	"	8	"	
Mid.					35		30.13	70	68	67		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Lieut H. Scott Schley, U. S. Navy,

Sunday November 7th, 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy first two hours Clear next two with light sprinkling rain Light to fresh breeze from SE Steering in quiet & Clear moonlight

Edwd Lucas
Ensign

From 4 to 8 A.M. Clear Quite to moderate breeze with occasional gusts from E & SE to SE Burning Sea smooth Rigged out boats and prepared ship for Port generally Shook reefs out of main sail and refurled it English. Full rigged ship came in and anchored

C. H. Bruce
Master

From 8 A.M. to Noon Cloudy and Pleasant Quite breeze blowing stiff in gusts from SE by E & SE by E Set to Courses & Hoisted in two pilot ship and crew at quarters Overhauled and Sprayed ship Sent liberty party on shore American Consul paid a visit to Capt

E. B. T. Moore
Ensign

Noon to 4 P.M. Clear First part Cloudy last half Latter Pleasant Moderate breeze with frequent gusts from SE and E. Bar shifting Sea smooth

C. H. Bruce
Master

From 4 to 8 P.M. Cloudy and Pleasant Light breeze stiff in gusts from E. to ~~SE~~ SE. Sea smooth

E. B. T. Moore
Ensign

From 8 P.M. to Mid Cloudy. Moderate breeze with stiff gusts from SE by E and SE Bar steady Sea smooth

C. H. Bruce
Master

Moon's phase 4th qr. Dec N. 10°

Examined and found to be correct.

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 18 Guns,

Jamestown Ft. Delaware.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			C. by P.	P.E.	3.5		30.12	68	67	66		bc	Cum Strat	8	O	
2			PE	"	3.5		30.12	68	67	66		"	"	7	"	
3			"	"	3.5		30.12	68	67	66		"	"	1	"	
4			"	"	2.4		30.10	68	67	66		"	"	1	"	
5			PE	P.S.E.	2.4		30.10	68	67	66		"	"	2	"	
6			"	"	2.4		30.8	69	68	67		"	"	2	"	
7			PPE	"	2.4		30.11	69	68	67		"	"	0	"	
8			"	"	2.4		30.13	68	68	67		"	"	2	"	
9			PE	PE	2.4		30.14	68	68	66		"	"	2	"	
10			"	"	3.4		30.14	68	69	67		"	"	2	"	
11			"	"	3.4		30.14	68	69	67		"	"	1	"	
Noon.			"	"	3.4		30.12	69	71	68		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observation at Noon ☉ — ° ' "

Longitude by Chronometer from Forenoon Observations ☉ — ° ' "

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ☉ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1760 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			PPE.	PE	3.4		30.10	69	71	69		bc	Cum Strat	1	O	
2			"	"	3.4		30.08	69	70	69		"	"	1	"	
3			"	"	3.4		30.07	69	70	69		bcfl	"	1	"	
4			"	"	3.4		30.07	69	70	69		"	"	3	"	
5			"	"	3.4		30.07	69	70	68		bc	"	2	"	
6			"	"	3.4		30.07	69	68	67		bcfl.	"	2	"	
7			"	"	3.4		30.09	69	68	66		"	"	2	"	
8			"	"	3.4		30.10	69	68	66		ofl	"	0	"	
9			"	"	3.4		30.10	68	68	66		bc	"	1	"	
10			"	"	3.4		30.10	68	68	66		"	"	2	"	
11			E.P.E.	"	4.6		30.10	67	67	66		"	"	1	"	
Mid.			PE.	"	4.6		30.10	67	67	66		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ' "

Longitude by Chronometer from Observations — ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander F. A. Parker, U. S. Navy,

Norfolk Navy Yard, Va., 1875.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended with Moderate and Pleasant Gentle to stiff breeze from E. Sea smooth. Barometer falling. Steam pressure regulated to 60 lbs.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Moderate and Pleasant Light to moderate breeze from E. & E. Sea smooth. Sky cloudy. A Gunboat and English barque came in sight and anchored. At 8 crossed royals and top gallant yards. Received on board fresh beef and vegetables for crew.

C. H. Symmes
Lieut

From 8 A.M. to 12 M. Moderate and Pleasant Gentle to moderate breeze from E. & E. Barometer falling. Sea smooth. At 9 called all hands and exercised at the great guns. Sky cloudy. At 11 hauled off shore to avoid the fishing fleet. Employed in overhauling blocks. Discharged the Hagerstown pilot at 12 M. and called Boarding Officer officially.

C. H. Symmes
Lieut.

Middle Part. Cloudy. Pleasant. Light breeze from E. & E. in gusts. Sea smooth. Sky cloudy. Light passing showers. Part of Part. Employed in overhauling blocks.

C. H. Symmes
Lieut

First Part. Cloudy. Light passing rain. Gentle to moderate breeze with gusts from E. & E. Rain ceased. At 5 P.M. mustered all hands at quarters and attended evening prayers.

C. H. Symmes
Lieut

First Part. Cloudy. Foggy. Moderate to fresh breeze from E. & E. Sea smooth. Visibility of the land.

C. H. Symmes
Lieut

Moon's phase last qr. Dec N. 4th

Examined and found to be correct.

Asaph Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex , 3 Rate, 6 Guns,

Jamestown to Tilma

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.E. by E.	S.E.	3		30.09	67	66	66		Ope	Cu Strats	0	Sm	
2			S.E.		3 N		30.08	67	66	66		"	"	0	"	
3			S.E. by E.	S.E.	3 N		30.08	67	66	66		"	"	0	"	
4			E.	E.	3 N		30.08	67	66	65		"	"	0	"	
5			S.E.	S.E.	3 N		30.09	67	66	65		0	"	0	"	
6			S.E.		3 N		30.08	66	66	65		Cl	"	2	"	
7			S.E.	S.E.	3 N		30.09	66	66	66		"	"	3	"	
8			S.E.	S.E.	3 N		30.09	66	67	66		"	"	3	"	
9			S.E.	"	3 N		30.10	67	68	67		Cu.	"	3	"	
10			"	"	3 N		30.10	67	68	67		"	"	3	"	
11			"	"	3 N		30.10	67	68	67		"	"	3	"	
Noon.			"	"	3 N		30.08	68	68	67		"	"	3	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observation at Noon ☉ — ° ' "

Longitude by Chronometer from Forenoon Observations ☉ — ° ' "

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ☉ observed at — ° ' "

Water expended during the preceding 24 hours — 250 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1000 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S.E. by E.	S.E.	2 N		30.05	69	69	67		Cu. Cal	Cu Strats	2	Sm	
2			S.E.	"	2 N		30.04	69	69	67		Cl	"	2	"	
3			"	"	2 N		30.03	69	70	67		"	"	2	"	
4			"	"	2 N		30.03	69	70	67		"	"	1	"	
5			S.E. by E.	"	2 N		30.04	65	65	67		"	"	1	"	
6			S.E.	"	2 N		30.04	68	68	67		"	"	2	"	
7			"	"	2 N		30.04	68	67	66		"	"	2	"	
8			S.E.	"	3 N		30.04	68	67	66		"	"	1	"	
9			"	"	3 N		30.06	68	67	66		Ope	"	0	"	
10			S.E.	"	3 N		30.06	68	67	66		"	"	0	"	
11			S.E. by E.	"	3 N		30.06	68	67	66		Cl	"	2	"	
Mid.			S.E. by E.	"	3 N		30.06	68	67	67		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Lieut. W. Flato Fillebrown, U. S. Navy,

Tuesday November 18, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences with Calm. Cloudy & Quiet Passing rain Gentle to moderate breze freshening in gusts from S.E. to E. Bar falling slowly & so ends.

C. S. Brown
Pilot

From 4 to 8 A.M. Calm Pleasant Light to stiff breze from E and S.E. blowing in gusts Passing Englis Packet Steamer and an English Barque got underway and stood out.

L. P. Jewett
Master

From 8 A.M. to Noon Calm Drizzling rain Light breze from S.E. blowing in stiff gusts off the land At 9 A.M. Two pilots at gangway Boatswain of Canada Officer C. K. Darragh (Act. Master in solitary confinement on board and Water Tender Stephen Blackwell J. D. Tarbell (Act. Ens.) was placed in double irons to await trial by Court Martial for disobedience of order and insolence to Officer of the Deck.

C. K. Egerton
Lieut

From Noon to 4 P.M. Calm and drizzling rain first hour. Pleasant latter part Gentle breze from S.E. with stiff gusts Bar falling slowly

L. P. Jewett
Master

From 4 to 8 P.M. Calm Light breze from S.E. Some heavy clouds Mustered at quarters and turned in clear Hammocks At sunset put down light yards

C. K. Egerton
Lieut

From 8 P.M. to Mid. Overcast with light drizzling rain first Two hours Calm last two hours Gentle to stiff breze in gusts from E. Bar steady

L. P. Jewett
Master

Moon's phase last qr dec S. 2°

Examined and found to be correct.

Asa Walker
Lieut. & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate, 16 Guns,

Jamestown Ft Helena

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			SE	SE	2		30.08	67	68	67		2	Cum/Strat	2	A	
2					2		30.08	68	68	67		"	"	3	"	
3			SE by E		2		30.08	68	68	67		"	"	3	"	
4					2		30.10	68	68	67		"	"	4	"	
5					2		30.10	68	68	66		"	"	4	"	
6			SE by E		2		30.07	68	67	66		"	"	3	"	
7					2		30.08	68	67	66		"	"	2	"	
8					2		30.07	68	67	66		"	"	2	"	
9			SSE		3		30.08	68	69	67		"	"	2	"	
10			SE	S	2		30.08	68	70	67		"	"	4	"	
11			SE by S	SE	2		30.08	69	71	69		"	"	2	"	
Noon.			SSE.		2		30.06	69	70	69		"	"	3	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observation at Noon ☉ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ☉ — ° ′ ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ☉ observed at — ° ′ ″

Water expended during the preceding 24 hours — 250 gallons.

Water received during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1250 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			SE by E.	SW	3		30.07	70	71	65		bd	Cum/Strat	3	A	
2			SE.	S	2		30.08	70	71	68		"	"	2	"	
3				"	2		30.02	70	71	68		"	"	1	"	
4			SSE.	"	2		30.02	70	72	69		"	"	1	"	
5			SE.	SE	2-4		30.02	70	65	67		"	"	0	"	
6			S	"	2-3		30.02	70	69	67		"	"	0	"	
7			SSW.	"	3		30.03	69	68	67		"	"	1	"	
8			S by W	"	2-3		30.03	69	68	67		"	"	1	"	
9			SSE	"	2		30.05	69	69	67		"	"	2	"	
10			"	"	2-4		30.06	69	67	66		"	"	8	"	
11			"	S	2-4		30.06	68	67	66		"	"	8	"	
Mid.			"	"	2-3		30.06	68	67	66		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude ☉ observed at Sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Capt. F. Scott Schley, U. S. Navy,

Wednesday Nov 28th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended ~~AM~~ Squally and Pleasant Light breezes from SE. Steering in Stiff gusts off the land by order of Capt. F. S. Schley Steel Pier watch for Commander

L. M. Leggett
Lieut

From ~~4 to 8 AM~~ Squally but Pleasant ~~Light to~~ moderate Breezes from ~~SE~~ SE. Steering in gusts Passed Key and ~~Key~~ Grabbe for ~~Port~~.

Saml C Smith
Ensign.

From ~~8 AM to Noon~~ Squally and Pleasant Light to stiff Breezes from ~~SE~~ and S. Steering in puffs At 9.15 AM passed at gaff ~~Pleasant~~ Pleasant Island 2nd Officer at Signal guns Secured ship Sunday routine for ~~Port~~

L. P. Jewett
Master

~~Noon to 4 PM~~ Squally and Pleasant Light Breezes from SW to South. Steering stiff in puffs Running in ~~Port~~ for gas and water Sent a liberty party on shore

Saml Smith
Ensign

From ~~4 to 8 PM~~ Squally and Pleasant Light to stiff Breezes Steering in gusts from SE. By order of Capt. Schley L. P. Jewett ~~Master~~ from ~~Pleasant~~

L. P. Jewett
Master

From ~~8 PM to Midnight~~ Clear and Pleasant Light Breezes moderate in puffs from SE to South Bar taut.

Saml C Smith
Ensign

Moon's phase last qr, Dec. 5. 9h

Examined and found to be correct.

Neal Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

James River, Island of St. Helena

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Hds.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E. S. E.	S. E.	1-2		30.07	66	68	68		b.c.	Cir. Cum.	0	S.	
2			"	"	1-2		30.02	68	68	66		"	"	0	"	
3			"	S.	2		30.02	68	68	66		"	"	0	"	
4			"	S. E.	2-3		30.01	67	68	66		"	"	1	"	
5			S. E.	"	1-2		30.02	67	67	67		"	"	1	"	
6			S. S. E.	"	0-1		30.02	67	67	66		"	"	1	"	
7			"	"	0-1		30.03	67	67	66		"	"	1	"	
8			Sby E.	"	1-2		30.05	67	67	66		"	"	2	"	
9			"	"	2		30.06	67	67	67		"	"	2	"	
10			E. S. E.	S	2		30.06	68	70	68		"	"	2	"	
11			"	"	2		30.06	70	70	68		"	"	2	"	
Noon.			"	"	2		30.08	70	70	68		"	"	3	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observation at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 250 — gallons.

Water [illegible] during the preceding 24 hours — 1800 — "

Water remaining on hand fit for use at Noon — 2800 — "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			W.	S. W.	0-1		30.06	70	70	70		b.c.	Cum. Nims	6	S.	
2			W. S. W.	"	1		30.05	70	70	70		"	"	6	"	
3			E. S. E.	"	0-1		30.04	70	70	70		"	"	6	"	
4			"	"	2		30.04	71	71	71		"	"	7	"	
5			"	"	2		30.05	71	70	70		"	"	3	"	
6			S.	S.	2		30.04	71	70	68		"	"	4	"	
7			"	"	2		30.03	71	71	68		"	"	6	"	
8			"	S. S. E.	1-2		30.03	71	71	68		"	"	2	"	
9			S. W.	"	0-1		30.04	70	68	68		"	"	2	"	
10			S. S. W.	"	0-1		30.04	70	70	68		"	"	2	"	
11			"	"	1-2		30.05	70	70	68		"	"	2	"	
Mid.			"	"	1-2		30.05	70	70	68		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Thursday, November 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Cloudy and pleasant. Gentle to moderate breeze from S.E. & S. By order of Comdr. Wm. S. Robinson (Ret'd) stood mid watch on quarter deck.

L. P. Jewett
Master

From 4 to 8 a.m. Cloudy. Pleasant. Light to gentle breeze from S.E. Barometer rising Sea smooth.

C. B. T. Moore
Ensign

From 8 a.m. to Meridian. Cloudy and pleasant. Gentle breeze from S.E. to South. At 9 a.m. inspected at quarters. Exercised as per routine. The following men absent over time John L. King (B. Mate) Jas. Brown (C.T.G.) Chas. Zeller (O.S.) X. Funk (P.M.) F. Burkardt (Ldr) Wallis Carter (C.T.) Jas. Gillespie (C.T.G.) Michael Wogan (Cox) John McArdle (C.T.) W. D. Saddler (C.T.) Maurice Clark (C.T.O.) and Jno. Shields (St. Bd)

Jno. L. Smith
Ensign

Meridian to 4 P.M. Clear and pleasant. Light to gentle breeze from S.W. Barometer falling. Sea smooth. John L. King (B. Mate) returned on board

C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy and pleasant. Light airs from S.W. & South. By order of Condg. Officer placed Jas. Hackett (O.S. 2d Cl.) in double irons awaiting trial of ~~for duty drunk and disorderly~~ Genl Court Martial. Chas. Zeller (O.S.) and Michael Wogan (Cox) returned from liberty. ~~Put light sails.~~ Enlisted Thomas Flatterden (Ldg) for the cruise ~~three years - general service~~. Brt light sails. —

Jno. L. Smith
Ensign

From 8 P.M. to Mid. Cloudy. Pleasant. Light to gentle breeze from S.S.E. Barometer rising slowly. Sea smooth.

C. B. T. Moore
Ensign

Moon's phase last qr. Dec. S. 15th.

Examined and found to be correct.

Chas Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

James Town, Island of St. Helena

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E. b. S.	S. b. E.	2		30.07	68	68	66		b.c.	Cir. Cum	1	S.	
2			"	"	2		30.02	68	68	66		c.	"	0	"	
3			"	"	2		30.02	68	68	66		"	"	0	"	
4			"	"	2		30.01	68	68	66		b.c.	"	1	"	
5			E. S.	"	1-2		30.00	67	68	67		"	"	1	"	
6			S. b. E.	"	0-1		30.02	67	67	66		"	"	1	"	
7			"	"	0-1		30.04	67	67	66		"	"	1	"	
8			S by E.	"	1-2		30.05	67	67	66		"	"	1	"	
9			S. S. E.	"	2		30.08	67	67	66		"	"	1	"	
10			E. b. S.	S. S. E.	3		30.10	68	70	68		"	Cir. Nim	2	"	
11			E. by N.	E by N.	3		30.10	69	70	68		"	"	2	"	
Noon.			"	"	3		30.08	70	70	68		"	Cir. Cum	3	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observation at Noon ⊙

Longitude by Chronometer from Forenoon Observations ⊙

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours — 2.50 — gallons.

Water during the preceding 24 hours — gallons.

Water remaining on hand fit for use at Noon — 2400 — "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

P. M.																
1			W.	W. b. N.	2		30.08	70	70	68		b.c.	Cir. Cum	3	S.	
2			W. S. W.		1		30.06	70	70	68		"	Nim	6	"	
3			E. b. S.	S. b. E.	0-1		30.06	71	70	68		"	"	5	"	
4			S. E.		1-2		30.06	71	71	68		"	"	5	"	
5			"	S. E.	1-2		30.05	71	71	68		"	"	5	"	
6			"	"	1-2		30.04	71	71	68		"	"	5	"	
7			S.	S.	1-2		30.03	71	71	68		"	"	5	"	
8			"	"	1-2		30.03	71	71	68		"	"	5	"	
9			S. W.	S. S. W.	1-2		30.00	71	70	68		"	"	4	"	
10			S. S. W.	S. S. E.	1-4		31.03	71	70	68		"	"	1	"	
11			"	"	1-4		30.05	71	70	68		"	"	1	"	
Mid.			"	"	1-4		30.15	71	70	68		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations *

Variation of the Compass by Amplitude ⊙ observed at Sunset

Variation of the Compass by at

under the command of Commander W. S. Schley, U. S. Navy,

Friday Nov. 22d, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast and pleasant. Light breeze from S. S. E.

Lawd Sculf
Ensign

From 4 to 8 AM. Cloudy. Cool. Light airs and calms. John McArdle (I.C.F.) returned on board. Received on board fresh beef and vegetables for crew. At 8, crossed royal and top gallant yards.

Chas Brems
Midshipman

From 8 AM to Mid. Clear, cool, and pleasant. Moderate breeze from S. S. E. to E by S. Mustered at quarters at 9.05. Henry Laurence (I.C.F.) John L. Brown (P.M.) Thos. H. Jones (Corpl. M.C.) W. H. Keeling (Sea.) and Wm. Walker (Sea.) absent without leave. By order of Comdr. Midn. W. G. Hammm was placed under suspension, for neglect of duty. Xavier Funk (P.M.) returned on board.

C. B. T. Moore
Ensign

From Mid. to 4 P.M. Calm and pleasant. Variable breeze from N. E. to S. E. John L. Brown (P.M.) Thos. H. Jones (Corpl. M.C.) Henry Laurence I.C.F. and Wallis Carter (I.C.F.) were brought on board by shore police. Jas. Brown (C.F.C.) returned on board.

C. K. Curtis
Lieut.

From 4 to 8 P.M. Clear and pleasant. Light airs from S. E. Barometer falling slowly. Enlisted Thos. Buckley as Ords. General service for Crew of the "Essex".

C. B. T. Moore
Ensign

From 8 P.M. to Mid Cloudy. Light breeze from S. S. E. blowing in moderate gusts from off shore. Occ. thin clouds.

C. K. Curtis
Lieut.

Moon's phase last qr. Dec 3. 20h

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Jamestown Island of St. Helena, and At Sea.

Hour.	Knots.	Fathoms	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. E.	S. S. E.	1.2		30.03	68	68	66		b. c.	Cir. Cumu	8	S.	
2			"	"	1.2		30.02	68	68	66		"	"	8	"	
3			S. S. E.	"	1.2		30.03	68	68	66		"	"	6	"	
4			"	"	1.2		30.03	68	68	66		"	"	6	"	
5			S. E by E.	"	2.4		30.01	68	68	66		"	Cumu Stra.	1	"	
6			S. E.	"	2.4		30.04	67	67	66		"	"	4	"	
7			S. E.	"	2.4		30.06	67	67	66		"	"	3	"	
8			S.	"	2.4		30.06	67	69	68		"	"	5	"	
9			"	"	2.3		30.08	69	70	69	69	"	"	5	"	
10	3	5	N. N. by W.	S. E by S.	2.0		30.08	69	71	69	69	"	"	2	"	
11	1	5	W. N. W.	S W by S.	1.2		30.07	70	72	70	70	"	"	1	"	
Noon.	0	6	"	E. N. E.	2		30.07	70	72	70	70	"	"	1	"	

Distance run by Log since preceding Noon — 5 knots 6 ~~fathoms~~ tenths

Latitude by D. R. at Noon — S 15 · 55 · "

Longitude by D. R. at Noon — W 5 · 50 · "

Latitude by Observation at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 350 gallons.

Water received during the preceding 24 hours — 800 "

Water remaining on hand fit for use at Noon — 2800 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.																
1	2	0	N. N. W.													
1	2	5	W. N. W. ½ W.	S.	4		30.03	70	72	70	70	b. c.	Cumu Stra.	4	S.	Under all plain
2	5	8	"	"	4		30.02	70	71	68	70	"	"	5	"	sail, single reefed
3	5	2	"	S. by E.	4		30.01	70	70	68	70	"	"	2	"	Mainsail
4	5	0	"	"	4		30.00	70	70	68	70	"	"	2	"	
5	4	8	"	"	4		29.01	70	70	68	70	"	Cir. Cumu	6	"	Hauled down F. topmast
6	5	0	"	S. S. E.	4		30.00	70	70	68	70	"	"	8	"	staysail.
7	5	0	"	"	4		30.01	68	68	67	70	"	"	7	"	
8	5	0	"	"	4		30.01	69	69	67	70	"	"	7	"	
9	5	6	"	"	4		30.02	70	68	67	70	"	"	6	"	All plain sail except
10	5	5	"	"	4		30.05	70	68	67	70	b.	"	5	"	F. topmast staysail.
11	5	7	"	S	4.5		30.07	70	68	67	70	"	"	8	"	
Mid.	6	2	"	"	4.5		30.07	70	68	69	70	"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander W. S. Schley, U. S. Navy,

Saturday, November 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Light airs from S.S.E.

H. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Light to moderate breeze from S.S.E. blowing in puffs. Engaged in making preparations for sea. Jas. Shields (Sh. cook) W.D. Saddler (C.T.) and Maurice Clark (C. & C.) were brought on board by police. W. H. Rich (Sds) W. C. Robinson (Sds) and Jas. Cook (Cs. Cook) returned on board overtime. At 6.15 W.H. Keeling (Sea) and Wm. Walker (Sea) were brought on board by police, and by order Comdr. were confined on both deck. Received 800 gals. fresh water.

L. P. Jarrett
Master

At 8.45 Called all hands to trail, and stood from 8 to 14 ft. 3½ in. all hands as per Com. Code Signal. At 10 Comdr. ordered ship under sail and steam. Dec'd Jas. Cox. to Sea. At 10. Changed by ship required anchor rail. Received Density 26°.

C. K. Curtis
Lieut
1st Comm. Min.

From Noon to 4 P.M. cloudy and pleasant. Ship under mainsail and sea. Density 26°.

From 4 to 8 P.M. on course ½ and 2

L. P. Jarrett
Master

Ship smooth. Ship in sight to leeward

From 6 to 8 P.M. Density

Ensign.

Weather quarter.

H. B. T. Moore
Ensign.

From 8 P.M. to Mid. Overcast and pleasant. Moderate to stiff breeze from S.S.E. to South. Moon rises clearly. Sea smooth. Ship as course under all plain sail, except T'gallant & Royal. Density sea water 26°

C. K. Curtis
Lieut

Moon's phase last qr. Dec. S. 24°

Examined and found to be correct.

A. R. Walker
Lieut.

Navigator.

At 8.45 W.H. Keeling (Sea) and Wm. Walker (Sea) were released from confinement on both decks: By order of Comdr.

By order of Comdg. Officer the following punishments were awarded Wm. Walker (Sea) Leaving ship without permission - Sol. Con. Bread and Water. Thos. G. Roberts (O.S.) Chas. Beardsley (O.S.) John Hashagan (O.S.) and John Kallenbach (O.S.2Cl.) for having late hammocks: 6 hours extra duty each. W. J. Linden (O.S.) for swearing on quarter deck: 24 hours extra duty. John Kenyon (O.S.) for being very slow coming aft to man boat: 12 hours extra duty. Wm. Hardie (O.S.) for being drunk on duty: 72 hours extra duty. C. C. Barclay (O.S.) for being out of uniform: 6 hours extra duty. Jas. Gillespie (C.A.G.) Absent without leave: 48 hours extra duty. Michael Wogan (Cox.) for overstaying leave and disobeying orders: 48 hours extra duty.

under the , U. S. Navy,

, 1878.

Comm

From S.S.E.
L. B. J. Moore
Ensign
From S.S.E.
Jas. Shields
left on board
(Clk. Cook)
Wm. Walker
confined

L. P. Jarrett
Master

From 8 A.M. to Meridn. Pleasant. Light variable winds. At 8.45 called all hands up anchor; hove anchor up and down, made sail to topsails, hove up and made all plain sail. At 9, got underway and stood out from St. Helena. Draught forward 13 ft. 7 in. Amuds ships 14 ft. 3½ in. Aft 15 ft. 10½ in. At 8.50 to signal Station on Ladder Hill made Com. Code Signal T. C. S. W. and B. R. D. Answered, and made B. R. D. By order of Comdg. Officer W. H. Keeling ~~was~~ dis'rated from Sea. to Clks. for leaving ship without permission ~~This date inclusive~~, Michael Wogan ~~was~~ ~~disrated~~ from Cox. to Sea. and Jas. Gillespie from L.A.G. to Sea. all from this date inclusive. At 10, Changed course to W. N. W. Braced around several times as required by shifts of wind. On course W. N. W. under all plain sail. Secured anchors for sea, unbent chains, and paid them below. Density 25.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy and pleasant. Moderate breeze from the Sd. Comm. Mid. Clouds. At 12.40 changed course to W. N. W. ½ W. At 1. took one reef in mainsail and set the sail. Ship under all plain sail, single reefed mainsail, on the course Density sea water 25.

L. P. Jarrett
Master

From 4 to 6 P.M. Clear and pleasant. Moderate breeze from S.S.E. Sea smooth. Ship on course W. N. W. ½ W. At 5. hauled down fore topmast staysail. St Helena N. ½ E. distant 18 ½ and 2 points on port quarter.

Jno. L. Purdy
Ensign

From 6 to 8 P.M. Clear and pleasant. Moderate breeze from S.S.E. At sunset mustered at quarters. St Helena fine on starboard quarter. Density 25.

C. B. J. Moore
Ensign

From 8 P.M. to Mid. Overcast and pleasant. Moderate to stiff breeze from S.S.E. to South. Barometer rising slowly. Sea smooth. Ship on course under all plain sail, except fore topmast staysail. Density sea water 25.

C. K. Curtis
Lieut

Moon's phase last qr. dec. S. 24°

Examined and found to be correct.

A. Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d Rate, 6 Guns,

En. route from St. Helena, to Monte Video, Uruguay

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAR. (REDUCED). Height in Inches.	BAR. (REDUCED). Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	0	W.N.W. ½ W.	S.	5		30.03	70	68	66	70	b.c.	Cirro Nimbus	1	S.	Ship under all plain sail
2	6	5	"	"	4		30.03	70	68	66	70	"	"	1	"	except fore topmast
3	6	0	"	"	4		30.03	70	68	66	70	"	"	1	"	Staysail.
4	6	0	"	"	4		30.03	70	68	66	70	S.	"	0	"	
5	6	0	"	S. by E.	4		30.03	70	68	66	70	"	"	0	"	
6	5	5	"	"	4		30.03	70	68	66	69	b.c.	big Cirro Nimbus	1	"	
7	6	0	"	S.S.E.	5		30.03	70	68	66	70	b.c.d.	"	1	"	
8	6	4	"	"	5		30.03	70	68	66	69	b.c.	"	2	"	Same.
9	5	4	"	"	4		30.03	69	69	67	69	"	"	4	"	
10	4	4	"	"	4		30.03	69	70	68	70	"	"	6	"	
11	4	2	"	S.E.	3-4		30.03	69	72	69	70	"	"	6	"	
Noon.	4	7	"	"	3-4		30.03	68	70	68	70	"	"	4	"	

Distance run by Log since preceding Noon	130	knots	4 tenths fathoms.
Latitude by D. R. at Noon	S 16	° 14'	30"
Longitude by D. R. at Noon	W 8	° 4'	"
Latitude by Observation at Noon ⊙	S 16	° 7'	20"
Longitude by Chronometer from Forenoon Observations ⊙	W 8	° 22'	"
Sq. 641 Current during the time 0 knots 7 tenths fms. per hour setting to the W.N.W.			
Variation of the Compass by Amplitude ⊙ observed at Sunrise			
Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat 16° 4' S Long 8° 3' W.	W 24	° 30'	"
Water expended during the preceding 24 hours	350		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	2450		"
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1	4	4	W.N.W. ½ W.	S.S.E.	3-4		30.03	69	72	69	70	b.c.	b. Cirro Nimbus	5	S.	All plain sail except
2	5	0	"	"	3-4		30.01	69	70	68	70	"	"	3	"	fore topmast stay sail
3	4	5	"	S.	3-4		30.00	68	70	68	71	"	"	2	"	
4	4	2	"	"	3		30.00	68	70	68	71	"	"	8	"	
5	4	4	"	"	3		30.00	68	70	68	71	"	"	8	"	
6	4	6	"	"	3		29.99	68	70	68	70	"	"	5	"	Same
7	4	6	"	"	3		29.98	68	70	68	70	"	"	3	"	
8	4	6	"	S. by E.	3		29.98	68	70	68	70	"	"	8	"	
9	4	2	"	"	3		30.01	69	69	67	70	b.c.p.	"	2	"	
10	4	5	"	S.S.E.	3		30.01	69	69	67	70	"	"	6	"	Same.
11	5	0	"	S.E.	3-4		30.00	69	69	67	70	"	"	4	"	
Mid.	5	5	"	"	4		30.00	69	69	67	70	b.c.	"	6	"	

S 16° 12'
W 8° 59' W

Longitude by Chronometer from Afternoon Observations ⊙			
Longitude by Chronometer from Observations *			
Variation of the Compass by Amplitude ⊙ observed at Sunset			
Variation of the Compass by at			

under the command of Commander H. L. Schley, U. S. Navy,

Sunday, November 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Cool. Pleasant. Moderate Stiff breeze. Cum. Nimb. clouds. Ship on the course, under all plain sail, except fore topmast staysail. Density sea water 26.

L. P. Jewett
Master

From 4 to 8 A.M. Cloudy. Cool. Light drizzling rain third hour. Pleasant remainder of watch. Moderate to stiff breeze from S. by East and S.S.E. Ship on the course N.N.W. ½ W. Density sea water 26

Saml C. Lyle
Ensign

From 8 A.M. to Merid. Cloudy and pleasant. Moderate to gentle breeze from S.S.E, latter part S.E. On course N.N.W. ½ W. At 10 Comdg. Officer inspected ship and crew at quarters, then called all hands to muster and held Divine service. Density 26.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy first part of watch. Clear latter part. Pleasant. Gentle to moderate breeze from S.E. by E. to South. Sea smooth. Ship on course N.N.W. ½ W. under all plain sail except fore topmast staysail. Density sea water 26.

L. K. Harris
Lieut.

From 4 to 6 P.M. Clear. Pleasant. Gentle breeze from S.E. Cir. Cumi. Nimb. clouds. Ship under all plain sail except fore topmast staysail. On the course. Density sea water 26.

L. P. Jewett
Master

From 6 to 8 P.M. Cloudy first hour. Clear last hour. Pleasant. Gentle breeze from S. by E. Ship on course N.N.W. ½ W. At sunset mustered at quarters. By order of Comdg. Officer Thos. Buckley, Landsman was rated Seaman from this date inclusive Density sea water 26.

Saml C. Lyle
Ensign

From 8 P.M. to Mid. Cloudy & pleasant. Occasional very light passing rain Gentle to moderate breeze from S.S.E. to S.E. On course. Density 26.

C. B. T. Moore
Ensign

Moon's phase 1st qr. Dec S. 26°.

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

On a cruise from St. Helena to Monte Video Uruguay

Hour.	Knots.	Leeway.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	2	W.N.W. ½ W.	S.E.	3.5		30.00	69	69	67	70	0.	Cir. Cum.	0	S.	All plain sail except fore topmast staysail.
2	4	0	"	"	3		30.01	68	69	67	70	"	"	0	"	
3	2	5	"	"	2.3		30.03	68	69	67	70	"	"	0	"	
4	2	5	"	"	2.3		30.03	68	69	66	70	"	"	0	"	
5	3	0	"	S.	2.3		30.03	68	69	66	70	"	"	0	"	
6	4	0	"	"	3		30.02	68	69	67	70	b.a.	"	1	"	Same.
7	4	5	"	"	4		30.02	68	69	67	70	"	"	1	"	
8	4	4	"	"	3		30.03	68	69	67	70	"	"	1	"	
9	3	6	"	S.E by E.	3		30.03	68	71	69	70	"	"	1	"	Took in flying jib and weather clew of mainsail.
10	4	0	"	"	3		30.01	68	71	69	70	"	"	1	"	
11	4	0	"	S.E by S.	3		30.03	68	71	69	70	"	"	2	"	Set flying jib and weather clew of mainsail.
Noon.	4	5	"	"	3		30.14	68	71	69	70	"	"	3	"	

Distance run by Log since preceding Noon: 102 knots 0 tenths fathoms.

Latitude by D. R. at Noon: S 16 · 22 "

Longitude by D. R. at Noon: W. 10 · 6 "

Latitude by Observation at Noon ☉: S 16 · 15 "

Sq 640 Longitude by Chronometer from Forenoon Observations ☉: W 10 · 21 · 30"

Current during the time 0 knots 7 tenths fms. per hour setting to the W.N.W.

Variation of the Compass by Amplitude ☉ observed at Sunrise: · · "

Variation of the Compass by Azimuth ☉ observed at: · · "

Water expended during the preceding 24 hours: 350 gallons.

Water during the preceding 24 hours: "

Water remaining on hand fit for use at Noon: 2100 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

Hour.	Knots.	Leeway.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	3	2	W.N.W. ½ W.	S.E by E.	2		30.03	71	73	73	70	b.a.	Cir. Cum	8	S.	
2	2	3	"	"	2		30.02	71	75	72	70	"	"	8	"	
3	2	0	"	"	1.2		29.99	71	72	69	70	"	"	8	"	
4	2	0	"	"	1.2		29.99	70	71	69	71	"	"	8	"	
5	2	8	"	"	2		30.00	70	71	69	71	"	"	8	"	All plain sail except fore topmast staysail.
6	3	0	"	"	2		30.00	71	71	69	71	"	"	8	"	
7	3	0	"	"	2.3		30.01	71	71	69	71	"	"	7	"	Same.
8	3	5	"	"	2.3		30.00	71	71	69	71	"	"	4	"	
9	3	6	"	S.E.	3		30.02	71	71	69	71	"	"	2	"	
10	4	0	"	"	3		30.04	71	71	69	70	"	"	7	"	
11	4	2	"	"	3.4		30.06	71	71	69	70	"	"	8	"	Took in a pauker gaff topsail flying jib and weather clew of mainsail.
Mid.	4	0	"	"	3		30.05	71	71	69	70	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉: · · "

Longitude by Chronometer from Observations ☽: · · "

Variation of the Compass by Amplitude ☉ observed at Sunset: W 20. 15. "

Variation of the Compass by: at · · "

under the command of Commander H. S. Schley, U. S. Navy,

Monday, November 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast and pleasant. Moderate breeze first part of watch, light latter part from S.E. Sea smooth. Ship on course N.N.W.½W. Density sea water 26.

L. K. Lewis
Lieut.

From 4 to 8 AM. Cloudy. Pleasant. Gentle S'ly breeze. Ship on the course under all plain sail except fore topmast staysail. Density sea water 26.

L. P. Jarrett
Master

From 8 AM to Mid. Cloudy, warm pleasant. Gentle breeze varying from S.E. by E. to S.E. by S. Ship on the course N.N.W.½W. At 9 o'clock in flying jib and weather clew of lucinsail, and at 11 set them. At 9.15 exercised at general quarters. Call Crew. Engrs. Div. 45 sec.; Surgeons Div. 1m. 15 sec.; Powder Div. 1m. 20 sec.; Nav. Div. 1m. 25 sec.; 2d Div. 3m. 50 sec.; 1st Div. 5m. 40 sec. Secured Engrs. Div. 0m. 20 sec.; Nav. Div. 1m. 0 sec.; Powder Div. 1m. 15 sec.; 2d Div. 6m. 45 sec.; 1st Div 9m. 26 sec. Density sea water 26.

Saml Sands
Ensign

From Mid. to 4 P.M. Clear and pleasant. Light breeze from S.E. by E. On course. At 1.15 Summary court martial convened, at 3.15 Court adjourned. Density 26. Carpenters gang engaged in caulking poop.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear. Pleasant. Light breeze from S.E. by E. Sea smooth. Barometer steady. Density sea water 26.

L. K. Lewis
Lieut.

From 6 to 8 P.M. Calm first hour, cloudy last. Gentle S'ly, S.E.by'ly breeze. Cir. Cum. Nimb. clouds. At sunset mustered at quarters. At 7.45 moonset. Density sea water 26.

L. P. Jarrett
Master

From 8 pm to Mid. Cloudy first hour. Clear remainder of watch. Pleasant. Gentle breeze from S.E. Ship on course N.N.W.½W. At 10.15 took in spanker and gaff topsail. At 10.30 hauled up weather clew of mainsail and hauled down flying jib. Density of sea water 26.

Saml Sands
Ensign

Moon's phase 1st qr. Dec. 3. 27°.

Examined and found to be correct.

Neal Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En-route from St. Helena, to Montevideo, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperatures. Air Dry Bulb.	Temperatures. Air Wet Bulb.	Temperatures. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. at clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	4	W.N.W. ½ W.	S.S.E. by E.	1		20.07	70	70	69	70	b.c.	b.c.	3	S.	All plain sail except Spanker, gaff
2	1	5	"	"	1		20.05	70	70	69	70	"	"	3	"	topsail. Weather clew of mainsail, fore
3	1	0	"	"	1		20.03	70	70	69	70	"	"	3	"	topmast staysail and flying jib
4	2	0	"	"	1-2		20.03	70	70	69	70	0.	"	0	"	
5	2	6	"	E.S.E.	1-2		20.03	70	70	70	70	"	"	0	"	
6	3	5	"	"	2		20.03	70	70	70	71	"	"	0	"	All plain sail except fore topmast
7	5	0	"	S.E.	3		20.00	70	70	70	71	"	"	0	"	staysail.
8	5	4	"	"	4		20.02	71	70	70	71	"	"	0	"	
9	4	6	"	"	3		20.04	71	72	71	71	b.c.	"	2	"	
10	4	0	"	"	3		20.04	72	73	72	71	"	"	3	"	Same
11	4	1	"	"	3		20.03	72	74	72	71	"	"	2	"	
Noon.	3	6	"	"	3		20.03	72	74	72	71	"	"	2	"	

Distance run by Log since preceding Noon	77 knots	0 Zenith	fathoms.
Latitude by D. R. at Noon	S. 16	26	30 "
Longitude by D. R. at Noon	W. 11	41	"
Latitude by Observation at Noon ☉	S. 16	26	20 "
Longitude by Chronometer from Forenoon Observations ☉	W 11	53	30 "
Current during the time 0 knots 5 fms. per hour setting to the West			
Variation of the Compass by Amplitude ☉ observed at Sunrise			"
Variation of the Compass by Azimuth ☉ observed at 8 AM Lat S. 16° 22' Lng W. 11° 36'	W. 24°	27	"
Water expended during the preceding 24 hours	350	gallons.	
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	1750		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Sq. 640

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperatures. Air Dry Bulb.	Temperatures. Air Wet Bulb.	Temperatures. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. at clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	2	5	W.N.W. ½ W.	S. by E.	3		20.00	72	79	78	71	b.c.	b.c. Nimbus	6	S.	Took in flying jib, jib
2	2	0	"	"	2		20.03	72	79	78	71	"	"	3	"	Spanker, gaff topsail
3	1	6	"	"	1-2		20.03	72	76	76	72	"	"	1	"	and weather clew of mainsail.
4	1	6	"	"	1-2		20.04	72	75	75	72	"	"	1	"	Square rail except
5	1	6	"	S.S.E.	1		20.03	72	73	73	72	"	"	2	"	weather clew of mainsail,
6	1	7	"	"	1		20.03	72	70	73	72	"	"	6	"	flying jib, jib Spanker &
7	2	5	"	S.	1-2		20.04	72	72	72	71	0.	"	0	"	gaff topsail, ~~and mainsail~~
8	1	5	"	"	1-2		20.04	72	72	72	71	"	"	0	"	~~clew of mainsail~~.
9	1	5	"	"	1-2		20.04	72	72	72	71	b.c.	"	6	"	
10	3	0	"	"	3		20.04	72	72	72	71	"	"	8	"	Same.
11	3	4	"	"	3		20.04	71	71	70	70	"	"	9	"	
Mid.	3	2	"	"	3		20.03	71	71	70	70	"	"	9	"	Same.

Longitude by Chronometer from Afternoon Observations ☉			"
Longitude by Chronometer from Observations *			"
Variation of the Compass by Amplitude ☉ observed at Sunset			"
Variation of the Compass by at			"

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday, November 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant; latter part overcast. Light airs from S.S.E. & S. On course N.N.W. ½ W. Density 26.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast and pleasant. Light to moderate breeze from E.S.E. & S.S.E. Sent from S.S.E. Barometer rising slowly. At 7. set weather clew of mainsail, spanker, gaff topsail, and flying jib. Density sea water 26.

L. K. Garrison
Lieut.

8 A.M. to Mid. Cloudy. Warm. Gentle S.E. breeze. Cir. Cum. Nimb. clouds. Abg's inspected at quarters, and exercised companies at small arms, and drilled howitzer crew. Ship on course, under all plain sail, except fore topmast staysail. Density sea water 26.

L. P. Jarrett
Master

From Mid. to 4 P.M. Cloudy and warm. Gentle breeze from S.S.E. by E. falling to light airs latter part. Ship on course N.N.W. ½ W. At 12.45 took in flying jib, jib, weather clew of mainsail, spanker, and gaff topsail. Density sea water 26.

Ensign

From 4 to 6 P.M. Cloudy and pleasant. Light airs from S.S.E. On course. At 5 set jib, flying jib, spanker, gaff topsail, and weather clew of mainsail. Density 26. Clouds cir. cum nimb.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Overcast and pleasant. Light airs from South. Sea smooth. Watch at muster and at quarters. Ship on course N.N.W. ½ W. Density sea water 26.

L. K. Garrison
Lieut.

From 8 P.M. to Mid. Clear. Pleasant. Gentle S.S.E. breeze. Cir. Cum. Nimb. clouds. Ship on the course, under all plain sail, except fore topmast staysail. Density sea water 26.

L. P. Jarrett
Master

Moon's phase 1st Qr, Dec S. 25°

Examined and found to be correct.

Chas Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex" ; 3d Rate, 6 Guns,

En-route from St. Helena to Monte Video, Uruguay.

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Thermometer.	TEMPERATURES. Air Dry Bulb.	TEMPERATURES. Air Wet Bulb.	TEMPERATURES. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	8	W.N.W. ½ W.	S.E.	2		30.14	71	71	70	70	b.c.	bi & Cu	1	S	All plain sail except fore topmast staysail
2	3	5	"	S.S.E.	3-4		30.13	71	71	70	71	"	"	0	"	
3	3	4	"	"	2		30.12	71	71	70	71	"	"	0	"	
4	2	5	"	"	2		30.12	71	71	70	71	"	"	0	"	
5	2	9	"	"	2		30.09	71	72	71	71	b.c.	"	2	"	
6	3	2	"	"	2		30.08	71	72	71	71	"	"	3	"	
7	3	0	"	"	2		30.06	70	71	71	71	"	"	3	"	Same
8	3	3	"	"	2-3		30.08	71	72	71	71	0.	"	0	"	
9	4	0	"	"	3		30.10	71	73	72	71	"	"	0	"	
10	4	2	"	"	3		30.11	71	74	74	72	"	"	0	"	
11	4	4	"	"	3		30.11	71	74	74	72	"	"	0	"	Same
Noon.	4	0	"	"	3		30.11	72	74	74	72	"	"	0	"	

Distance run by Log since preceding Noon	67 knots	5 tenths ~~fathoms~~
Latitude by D. R. at Noon	S 16	33 · 38 "
Longitude by D. R. at Noon	W. 13	03 "
Latitude by Observation at Noon ⊙	S 16	34 28 "
Longitude by Chronometer from Forenoon Observations ⊙	W. 13	21 "
Current during the time 0 knots 8 ~~fms.~~ tenths per hour setting to the	West.	
Variation of the Compass by Amplitude ⊙ observed at Sunrise		"
Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat. S 16°33' Long W 13° 7'	W 23	10 "
Water expended during the preceding 24 hours	250	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1500	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1	4	0	S.W.N.W. ½ W.	S.	3		30.09	72	75	74	72	b.c.	bi & Cu Strat	1	S	All plain sail except fore topmast staysail.
2	3	8	"	"	3		30.08	72	74	73	72	"	"	1	"	
3	3	1	"	"	2-3		30.08	72	74	73	72	"	"	3	"	
4	2	6	"	"	2-3		30.08	72	74	73	72	"	"	4	"	
5	3	0	"	S.E.	3		30.05	72	73	73	72	"	"	6	"	Same
6	3	0	"	"	3		30.05	72	72	72	72	"	"	6	"	
7	3	2	"	S.E. by E.	2-3		30.06	72	72	72	72	"	bi & Cumc.	2	"	Same.
8	3	3	"	"	2-3		30.07	72	72	71	72	"	"	6	"	
9	3	4	"	"	3		30.09	72	72	71	72	0	"	0	"	
10	3	6	"	"	3		30.09	72	72	71	72	"	"	0	"	
11	3	2	"	"	3		30.09	72	72	71	72	bc.	"	2	"	Same.
Mid.	3	2	"	"	3		30.09	72	72	71	72	"	"	2	"	

S 16°-51'
W. 13°-02'

Longitude by Chronometer from Afternoon Observations ⊙		"
Longitude by Chronometer from Observations *		"
Variation of the Compass by Amplitude ⊙ observed at Sunset		"
Variation of the Compass by at		"

under the command of Commander W. S. Schley, U. S. Navy,

Wednesday, November 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast. Damp. Pleasant. Light to gentle breeze from S.E. and S.S.E. Ship on course N.N.W. ½ W. under all plain sail except fore topmast staysail. Density sea water 27.

Saml Leslie
Ensign

From 4 to 8 AM. Cloudy and pleasant. Light to gentle breeze from S.S.E. Clouds, Cir. Cum. Nimb. On course. Density 27.

C. B. T. Moore
Ensign

From 8 AM. to Mid. Overcast and warm. Gentle breeze from S.S.E. Sea smooth. Barometer steady. At 9 AM Exercised at quarters. Exercised as per routine. By order of Comdr. Officer Jas. Beckett (O.S. 2d Cl.) was released from confinement to remain a prisoner at large to await action of Comdr. in Chief. By order of Comdr. Geo. Vaughn (Ord.) and Ellison Parker (Ord.) were given 3 extra mid watches for disobedience of orders. Density sea water 26.

R. K. Lewis
Lieut.

From Mid. to 4 P.M. Cloudy. Warm. Light to gentle breeze from S. Cir. Cum. Nimb. clouds. Ship on the course under all plain sail, except fore topmast staysail. Density sea water 26.

B. P. Pruett
Master

From 4 to 6 P.M. Clear and pleasant. Gentle breeze from S.E. Ship on course, under all plain sail, except fore topmast staysail. Density sea water 26.

Saml Leslie
Ensign

From 6 to 8 P.M. Clear and pleasant. Light to gentle breeze from S.E. by E. On course. Barometer steady. Density 26. At 6.30 mustered at quarters.

C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy and pleasant. Gentle breeze from S.E. by E. At 8.10 sounded call to gen. quarters. Time of casting loose as follows. Surgeons Div. 2m 40sec. Nav. Div. 3m 30sec. Engrs. Div. 3m 40sec. Powder Div. 4m 15sec. 2d Div. 5m 10sec. 1st " 7m 30sec. Secured in 6m. On course. Density sea water 26. By order of Comdg Officer, Wm Walker (Sea) was released from confinement.

R. K. Lewis
Lieut

Venus phase 1st 9h dec 8.23°.

Examined and found to be correct.

Rob Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Rex", 3d Rate, 6 Guns,

A cruise from St. Helena to Monte Video, Uruguay

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	8	W.N.W.½W.	S.E.	3		30.09	72	72	71	72	b.c.	Cirro Strat	1	S.	All plain sail, except fore topmast staysail.
2	4	0	"	"	3		30.05	72	72	71	72	0.	"	0	"	
3	4	0	"	"	3		30.05	72	72	71	72	"	"	0	"	
4	4	6	"	"	4		30.05	72	72	71	72	b.c.	"	2	"	
5	5	6	"	"	4		30.14	72	72	71	73	0.	"	0	"	
6	5	5	"	"	4		30.03	72	72	71	73	b.c.	"	1	"	Same
7	3	5	"	"	1.2		30.05	72	72	72	73	0.	"	0	"	
8	3	0	"	"	3		30.05	72	72	72	73	"	"	0	"	
9	4	2	"	"	3		30.07	72	73	73	73	"	"	0	"	
10	4	9	"	"	3		30.08	72	74	74	73	"	"	0	"	Same
11	3	4	"	"	2.3		30.08	72	75	72	73	"	"	0	"	
Noon.	3	6	"	"	2.3		30.08	72	74	71	73	"	"	0	"	

Distance run by Log since preceding Noon	89 knots	7 tenths ~~fathoms.~~	
Latitude by D. R. at Noon	S. 16	43'	"
Longitude by D. R. at Noon	W. 14	57'	"
Latitude by Observation at Noon ⊙			"
Longitude by Chronometer from Forenoon Observations ⊙	W. 15	8'	"
Current during the time 0 knots 5 tenths ~~fms.~~ per hour setting to the W.			
Variation of the Compass by Amplitude ⊙ observed at Sunrise			"
Variation of the Compass by Azimuth ⊙ observed at 8 AM. Lat. S. 16°42' Long. W. 14°52'	W 22	50'	"
Water expended during the preceding 24 hours	250		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	1250		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1	3	0	W.N.W.½W.	S.E.	3		30.08	73	76	73	73	0	Cirro Strat	0	S.	All plain sail except fore topmast staysail.
2	3	0	"	S.S.E.	3		30.06	74	76	74	74	"	"	6	"	
3	3	4	"	S.S.E½E.	3		30.05	74	75	74	74	b.c.	"	1	"	
4	3	0	"	S.E.	3		30.04	73	74	72	74	0	"	0	"	
5	4	6	"	S.S.E.	3.4		30.04	72	73	71	73	b.c.	"	2	"	
6	4	5	"	"	3		30.04	72	72	70	73	"	"	4	"	Same.
7	2	5	"	"	2.3		30.05	72	72	70	73	0 p.d.	"	0	"	
8	3	5	"	"	2.3		30.04	72	72	70	73	"	"	0	"	Same.
9	3	5	"	"	2.4		30.04	71	70	69	73	0 p.	"	0	"	
10	3	8	"	"	3		30.06	71	70	69	73	"	"	0	"	
11	3	8	"	"	3		30.06	71	70	69	73	0	"	0	"	
Mid.	3	2	"	"	3		30.10	71	71	70	73	0	"	0	"	Same.

Longitude by Chronometer from Afternoon Observations ⊙			"
Longitude by Chronometer from Observations *			"
Variation of the Compass by Amplitude ⊙ observed at Sunset			"
Variation of the Compass by at			"

under the command of Commander H. S. Schley, U. S. Navy,

Thursday, November 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Cool. Pleasant. Gentle breeze from L.B. Cir. Cumu. Nimb. clouds. Ship on the course, under all plain sail except fore topmast staysail. Density sea water 26.

E. P. Jewett
Master

From 4 to 8 A.M. Overcast and Pleasant. Moderate to light breeze from L.B. On the course under all plain sail except fore topmast staysail. Density sea water 26.

Saml Lemly
Ensign

From 8 A.M. to Mid. Overcast and Pleasant. Light to gentle breeze from L.B. On course. At 9 A.M. inspected at quarters. Exercised Co. X at single sticks. Density 26.

C. B. T. Moore
Ensign

From Mid. to 4 P.M. Overcast and pleasant. Gentle breeze from L & L.L.B. Variable falling calmly. Lee current. On course. At 1.30 called all hands to muster and read proceedings ~~and~~ finding and sentence of Summary Court Martial, in the case of J.D. Stanley O.S. 2nd Class. Convened by order of Comdr. Officer. Specification. Refusing to obey the orders of his Superior Officer, and misbehaving in manner and language to him. Specification proven in part. Sentence by Court, Solitary confinement in single irons on bread and water for 15 days, full rations every fifth day, and extra police duty for 3 months. Sentence Approved by Comdr. and remitted to Solitary confinement in single irons for 7 days, on bread and water, with full rations every other day, and extra police duty for 15 days. Density sea water 26.

C. K. Curtis
Clerk.

From 4 to 6 P.M. Cloudy. Pleasant. Gentle L.L.B. breeze. Cir. Cumu. Nimb. clouds. Ship on the course, under all plain sail except fore topmast staysail. Density sea water 26.

E. P. Jewett
Master

From 6 to 8 P.M. Overcast with drizzling rain. Light to gentle breeze from L.L.B. On the course, under all plain sail except fore topmast staysail. At sunset muster and at quarters. Density sea water 26.

Saml Lemly
Ensign

From 8 P.M. to Mid. Overcast and pleasant occasional passing rain. Light to moderate breeze from L.L.B. On course. Barometer steady. Density 26.

C. B. T. Moore
Ensign

Moon's phase 1st qr. Dec 8. 19h

Examined and found to be correct.

Asa Walker,
Lt

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En route from St Helena to Montevideo, Uruguay.

Hour.	Knots.	Tenths Fathoms	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	8	N.N.W. ½ W.	S.	3		30.04	71	71	71	73	0.	Cum. Nimb.	0	S	All plain sail to T'gts. with
2	3	5	"	S.S.W.	3.5		30.03	71	71	70	73	0. p.	"	0	"	J & T. Spr. sail staysail and
3	"	8	"	"	3		30.11	71	71	69	73	0	"	0	"	Spanker.
4	"	8	"	S.S.E.	3		30.05	71	71	69	73	"	"	0	"	
5	3	5	"	S.E.	4		30.01	71	71	69	73	"	"	0	"	
6	4	0	"	"	2.3		30.04	71	71	70	73	"	"	0	"	Set royals and goff topsail.
7	3	8	"	"	3		30.04	71	71	70	73	"	"	0	"	
8	4	6	"	"	4		30.04	71	71	70	73	b.c.	"	2	"	
9	4	2	"	"	3		30.05	71	72	71	73	"	"	1	"	
10	3	8	"	"	3		30.02	72	73	72	73	"	Cir. Cum. Nimb.	7	"	Took in J. T & R. and royals Set them.
11	3	5	"	"	3		30.03	72	74	72	73	b.c. p.d.	"	5	"	Hauled down T. topmast staysail
Noon.	3	7	"	"	2		30.04	72	74	72	73	b.c.	"	5	"	

Distance run by Log since preceding Noon	85 knots	8 Tenths fathoms
Latitude by D. R. at Noon	S 16° . 51.	"
Longitude by D. R. at Noon	W 16 . 37.	"
Latitude by Observation at Noon ⊙	S. 16 . 48.	"
Longitude by Chronometer from Forenoon Observations ⊙	W. 16 . 48.	"
Current during the time 0 knots 5 Tenths per hour setting to the	W.N.W. ½ W.	
Sky. 639 Variation of the Compass by Amplitude ⊙ observed at Sunrise	. .	"
Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat S. 16° 47' Long W. 16° 42'	W. 22 . 30	"
Water expended during the preceding 24 hours	250	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1000	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1	2	6	N.N.W. ½ W.	S.E.	2		30.02	73	75	75	74	o. p.	Cir. Cum. Nimb.	0	S	
2	2	2	"	S.E. by E.	1.2		30.00	73	74	73	74	"	"	0	"	
3	1	8	"	"	1.2		30.00	73	74	73	74	b.c.	"	6	"	
4	2	0	"	"	1.2		29.99	73	74	73	74	"	"	6	"	
5	2	8	"	"	2		29.99	73	74	73	74	"	"	1	"	All plain sail with jib.
6	3	6	"	"	3		30.00	72	73	72	74	"	"	1	"	
7	3	5	"	S.S.E.	3		29.00	73	73	72	74	b.	Cum. Nimb.	0	"	Took in Spanker & goff topsail
8	1	8	"	E.S.E.	1.2		30.02	73	73	72	74	o.d.	"	0	"	
9	2	5	"	"	2.3		29.00	73	73	72	74	o. p.d.	"	0	"	Took in Mainsail.
10	3	3	"	S.E.	2.3		30.07	73	73	72	74	b	"	0	"	Set lee clew of mainsail
11	3	0	"	S.E. by E.	3		30.05	73	73	72	73	b.c.	"	6	"	
Mid.	3	4	"	E.S.E.	3		30.04	73	73	72	73	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙	. .	"
Longitude by Chronometer from Observations *	. .	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	. .	"
Variation of the Compass by at	. .	"

under the command of Commander W. S. Schley, U. S. Navy,

Friday, November 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast and pleasant. Gentle breeze from S.S.W to S.E. At 1.45 took in royals. gaff topsail, and flying jib. Hoisted fore topmast staysail. Barometer falling slowly. Sea smooth. Density sea water 26. By order of Comdr - Geo. Vaughan (1st) and E. Parker (2nd) were this mid watch for punishment -

L. K. Lewis
Lieut.

From 4 to 8 AM. Overcast. Cool. Pleasant. Gentle to moderate breeze from S.E. Cum. Nimb. Sea. At 5.30 set royals and gaff topsail. On the course. Density sea water 26.

L. P. Jouett
Master

From 8 AM. to Mid. Partially clear. Warm. Passing showers third hour. Gentle to light breeze from S.E. Ship on course N.N.W½W. At 8.50 Starboard fore topgallant sheet carried away. Took in fore topgallant sail and royal. At 9.10 set them. At 9.15 exercised at fire quarters. Exercised boarders of Nav. and 2d Division at target practice with pistols. Those of the 1st Div. at pistol drill. At 10.45 hauled down fore topmast staysail. By order of the Comdg. Officer Jas. O'Donnell (1 C.T.) and Jeremiah Donovan (2 C.T.) were confined in double irons, for fighting. Density sea water 26.

Saml. Lyle
Ensign

From Mid. to 4 P.M. Overcast and light passing rain latter part. Clear and pleasant. Light airs to light breeze from S.E by E. At 2 called away all boats, armed and equipped. Comdg. Officer inspected arms and equipments. Density 26. On course -

C. B. T. Mayo
Ensign

From 4 to 6 P.M. Cloudy and pleasant. Light to gentle breeze from E.S.E and S.S.E. Barometer rising slowly. Sea smooth. On course - Density sea water 26.

L. K. Lewis
Lieut.

From 6 to 8 P.M. Overcast. Drizzling rain last hour. Gentle breeze from S.E. falling light and shifting to E.S.E. towards end of watch. Cum. Nimb. clouds. At sunset mustered at quarters, At 6.45 took in spanker and gaff topsail. Density sea water 26.

L. P. Jouett
Master

From 8 P.M. to Mid. Cloudy. Drizzling rain ~~first~~ two hours. Light to gentle breeze varying from S.E. to E.S.E. On the course N.N.W½W. At 8.20 took in mainsail. At 9.15 set lee clew of mainsail. Density sea water 26.

Saml. Lyle
Ensign

Moon's phase 1st qr dec. 14° S.

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En-route from St. Helena, to Monte Video, Uruguay.

Hour.	Knots	Fathoms Passed	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. at clear sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	6	W.N.W.½W.	S.E.by E.	2		30.02	73	72	71	73	b.c.	bf	4	S.	All plain sail except Sky
2	3	4	"	"	2		29.99	73	72	71	73	"	"	4	"	jib & Staysail, spanker, gaff
3	3	4	"	"	2		29.99	73	72	71	73	"	"	4	"	topsail. N. clew of mains'l
4	3	2	"	"	2		29.99	73	72	71	73	"	"	4	"	
5	3	5	"	S.S.E.	3		29.99	73	72	71	73	"	"	1	"	Jib and all square sail
6	3	6	"	E.	3		30.01	72	72	71	73	"	"	4	"	
7	3	6	"	"	3		30.02	72	72	71	73	"	"	0	"	
8	2	4	"	S.E.	3		30.02	72	73	72	73	"	"	0	"	
9	3	0	"	S.E.	3		30.03	72	73	72	74	"	"	0	"	All square sail and
10	2	8	"	"	3		30.03	73	73	72	74	"	"	0	"	jib.
11	3	4	"	"	3		30.03	74	74	73	74	b.c.	"	1	"	
Noon.	3	6	"	"	2.3		30.03	74	75	74	74	"	"	4	"	

S 16°-58' W. 18°-2'

Distance run by Log since preceding Noon	72 knots	9	tenths
Latitude by D. R. at Noon	S 16	55	"
Longitude by D. R. at Noon	W. 18	41	"
Latitude by Observation at Noon ⊙	S. 16	58	"
Longitude by Chronometer from Forenoon Observations ⊙	W. 18	16	"
Sg. 639 Current during the time 0 knots 5 tenths per hour setting to the W.SW.½W.			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	'	"
Variation of the Compass by Azimuth ⊙ observed at 10 Hrs Lat. S. Long W.	°	'	"
Water expended during the preceding 24 hours	750	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	750	"	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.															
1	0	8	W.N.W.½W.	E.	2		30.02	74	78	76	74	b.c.	bf & cirrus	3	S.	Jib & Spanker and gaff topsail.
2	1	8	W.N.W.¾W.	"	2		30.03	74	78	76	75	"	"	1	"	All plain sail except flying jib & fore topmast
3	2	0	"	"	2		30.03	74	78	76	75	"	"	2	"	Staysail.
4	2	2	"	"	2		30.04	74	78	76	75	"	"	2	"	
5	2	6	"	"	2		30.02	74	78	75	75	"	"	8	"	
6	2	6	"	"	2		30.03	74	77	76	75	"	"	8	"	
7	3	0	"	E.S.E.	2		30.04	74	75	74	74	"	"	4	"	Same.
8	3	2	"	E.	2		30.04	74	74	73	74	"	"	5	"	
9	3	0	"	"	3		30.05	74	74	73	74	b	"	0	"	
10	2	6	"	"	2.3		30.06	74	74	73	74	"	"	0	"	
11	2	3	"	"	2		30.06	74	74	73	74	"	"	0	"	Same.
Mid.	3	2	"	"	3		30.06	74	74	73	74	"	"	0	"	

S 16°-58' W. 18°-31'

Longitude by Chronometer from Afternoon Observations ⊙	°	'	"
Longitude by Chronometer from Observations	°	'	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy,

Saturday November 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. occasional very light passing rains. Light to gentle breeze from S.E. by E. On course - Density 26.

L. B. J. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant - Gentle breeze from East and E.S.E. Barometer rising & Cloudy. Sea smooth. On course - Density sea water 26 - At 6, started fires in two boilers for the purpose of distilling

L. K. Curtis
Lieut

From 8 A.M. to Mid. Cloudy - Warm. Gentle breeze from E.S.E. Cir. Cum. Nimb. clouds. Ship on the course, under all & spanker sail and jib. Fires banked in two boilers - Distilling.

L. P. Jarrett
Master

From Mid. to 4 P.M. Cloudy, warm, and pleasant. Light breeze from 2d. At 12.05 set spanker and gaff topsail. At 12.15 changed course to W.N.W. 1/4 W. Density sea water 26. Fires banked in two boilers - Distilling.

Ensign

From 4 to 6 P.M. Clear and pleasant. Light breeze from East. Fires banked in two boilers. Distilling - Density 26.

L. B. J. Moore
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Light breeze from South and E.S.E. Barometer steady. Sea smooth. At 6.30 mustered at quarters. Density sea water 26. Distilling

L. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast. Pleasant. Gentle E'ly breeze. Cir. Cum. Nimb. clouds. Obscured moonlight. Moon set at 11.40 - Fires banked in two boilers. Distilling. Density sea water 26.

L. P. Jarrett
Master

Moon's phases 1st Qr Dec 3.99

Examined and found to be correct.

Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex" . . . , 3d Rate, 6 Guns,

En route from St Helena to Monte Video, Uruguay.

Hour.	Knots.	Miles Passed	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. at 32.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	2	SW by W 1/4 W.	E.	3		30.02	74	74	73	74	bc	Cir Strat	1	S.	All plain sail except fly.
2	3	2	"	"	3		30.05	74	74	73	75	O.	"	0	"	jib and fore topmast staysail.
3	2	8	"	"	2		30.03	74	74	73	75	"	"	0	"	
4	2	0	"	E by S.	2		30.02	74	74	73	75	"	"	0	"	
5	2	3	"	"	2		30.04	73	74	73	75	bc	"	2	"	
6	3	5	"	"	2.3		30.06	73	74	73	76	"	Cir Cum.	2	"	
7	4	2	"	"	2.3		30.07	73	74	73	74	"	"	2	"	
8	4	0	"	"	2.3		30.07	73	74	73	74	"	"	7	"	
9	4	5	"	"	3		30.04	74	76	74	74	"	"	8	"	All plain sail except
10	4	8	"	E by N.	3		30.09	75	77	75	74	"	"	6	"	fore topmast staysail
11	5	0	"	"	4		30.10	75	78	76	75	"	"	2	"	-
Noon.	5	0	"	E N E.	4		30.10	75	79	76	75	"	"	5	"	

Distance run by Log since preceding Noon	75 knots	0	Tenths
Latitude by D. R. at Noon	S 17	2	"
Longitude by D. R. at Noon	W. 19	34	"
Latitude by Observation at Noon ⊙	S 17	8	20 "
Longitude by Chronometer from Forenoon Observations ⊙	W 19	41	30 "
Current during the time 0 knots 4 Tenths per hour setting to the SW 1/4 W			
Sp 639 Variation of the Compass by Amplitude ⊙ observed at Sunrise			
Variation of the Compass by Azimuth ⊙ observed at 8 AM. Lat. S. 17°7' Long W. 19°21'	W, 20	35	
Water expended during the preceding 24 hours	250	gallons.	
Water Condensed during the preceding 24 hours	850	"	
Water remaining on hand fit for use at Noon	1350	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1	4	0	W.N.W.	E N E.	4		30.08	75	78	76	75	bc.	Cir Cum	5	S.	All plain sail except
2	4	2	"	"	4		30.07	75	78	76	75	"	"	3	"	fore topmast staysail
3	4	0	"	"	4		30.06	75	78	76	75	"	"	3	"	
4	4	2	"	E.	4		30.05	75	78	76	75	"	"	3	"	
#5	4	2	"	"	4		30.05	75	78	76	75	"	"	0	"	
6	4	0	"	E by S.	4.		30.02	75	78	76	75	bc.	"	1	"	Same.
7	3	8	"	"	2.3		30.07	76	76	75	75	"	"	2	"	
#8	3	8	"	"	2.3		30.08	76	77	75	75	"	"	2	"	Same
9	4	8	"	"	3		30.11	76	77	76	75	O	"	0	"	
10	4	5	"	"	3		30.11	76	76	74	75	bc	"	1	"	
11	4	0	"	"	3		30.11	75	75	74	75	O	"	0	"	Same.
Mid.	3	0	"	E by E.	2		30.10	74	74	73	75	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙			
Longitude by Chronometer from Observations *			
Variation of the Compass by Amplitude ⊙ observed at Sunset			
Variation of the Compass by	at		

under the command of Commander H. S. Schley, U. S. Navy,

Sunday, December 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast. Pleasant. Gentle to light breeze from E. and E by S. On the course. W.N.W & W. Fires banked in two boilers. Av. steam pressure 20 lbs. Distilling.

Ensign

From 4 to 8 AM. Clear and pleasant. Light to gentle breeze from E by S. On course. Fires banked in two boilers. Distilling. Density 26.

C. B. T. Moore
Ensign

From 8 AM to Mid. Cloudy and pleasant. Gentle to moderate breeze from E by S. to E.N.E. Sea smooth. On course. At 9 45 had divisional inspection. At 9 50 Comdg. Officer inspected ship and crew at quarters, afterwards all hands were called to muster, "articles for better government of Navy" and prayers were read, and crew mustered. Set the flying jib. By order of Comdg. Officer Jas. Donnell (1 C.T.) and Jeremiah Donovan (2 C.T.) were released from confinement and returned to duty. Corporal Patrick Connolly (M.C.) reported his term of enlistment in the Marine Corps as having expired. Fires banked in two boilers. Distilling. Density sea water 26.

L. K. Curtis
Lieut.

Mid. to 4 P.M. Cloudy. Warm. Moderate E.N.E. breeze, shifting to E. at end of watch. Cir. Cumn. clouds. Ship on the course under all plain sail, except fore topmast staysail. Fires banked in two boilers. Distilling. Density sea water 26. Changed course to W.N.W. at 12, M.

E. P. Jewett
Master

From 4 to 6 P.M. Cloudy. pleasant. Moderate breeze from E. and E by S. On the course W.N.W. Fires banked in two boilers. Distilling. Density sea water 26.

Ensign

From 6 to 8 P.M. Cloudy and pleasant. Light to gentle breeze from E by S. On course. Distilling. Density 26

C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy and pleasant. Light to gentle breeze from E by S. to S.E by E. On course W.N.W. Fires banked in two boilers. Distilling. Density 26.

L. K. Curtis
Lieut.

Moons phase 2d qr. Dec S. 4°

Examined and found to be correct.

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En. route from St Helena, to Monte Video, Uruguay.

Hour.	Knots.	Course Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. at clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.															
1	3 4	W.N.W.	S.by E.	H		30.10	74	74	73	75	b.c.	bl. & cond.	2	S.	All plain sail
2	4 4	"	"	H		30.16	74	74	73	75	"	"	8	"	except fore topmast
3	4 2	"	"	H		30.16	74	74	73	75	o.d.	"	0	"	staysail.
4	4 5	"	"	H		30.16	74	74	73	75	o.r.	"	0	"	
5	5 8	"	E.	H.5		30.16	74	74	73	75	o.p.q.	"	0	"	Took in Spanker and gaff topsail
6	6 5	"	E by S.	H.5		30.04	74	74	73	75	bc.p.q.	"	2	"	
7	6 5	"	E.	5		30.05	74	74	73	76	o	"	0	"	
8	6 3	"	"	5		30.07	74	74	73	76	"	"	0	"	Set Spanker and gaff topsail.
9	6 4	"	"	H.5		30.10	74	75	73	76	bc	"	2	"	
10	4 3	"	"	H		30.10	75	77	73	76	"	"	3	"	
11	Firing at target	Firing at target	"	H		30.10	75	77	72	76	"	"	2	"	Under all plain sail except
Noon.	4 6	W.N.W.	"	3-4		30.10	75	77	72	76	"	"	2	"	fly jib & M. staysail.

Distance run by Log since preceding Noon: 104 knots 9 tenths

Latitude by D. R. at Noon: S 17 · 3 ·

Longitude by D. R. at Noon: W. 21 · 31 ·

Latitude by Observation at Noon ⊙: S 17 · 11 · 36 "

Longitude by Chronometer from Forenoon Observations ⊙: W. 21 · 40 "

Current during the time 0 knots 5 tenths per hour setting to the S.W.

Sg. 639. Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat. S. 17°1: Long. W. 21°24: W. 20 · 5 ·

Water expended during the preceding 24 hours: 2 070 gallons.

Water Condensed during the preceding 24 hours: 1000 "

Water remaining on hand fit for use at Noon: 2000 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

P. M.															
1	4 5	W.N.W.	E.	3-4		30.10	76	78	75	76	o	blue & cond.	0	S.	Under all plain sail
2	5 0	"	E.N.E.	4		30.08	75	76	74	76	"	"	0	"	except fly jib & M.
3	3 5	"	E by N.	3		30.07	75	77	75	76	"	"	0	"	staysail.
4	4 0	"	E.	3		30.06	76	78	75	76	bc	"	1	"	
5	4 0	"	"	H		30.06	76	78	75	76	"	"	6	"	
6	4 8	"	"	H		30.06	76	78	75	76	"	"	6	"	Same.
7	5 2	"	E by S.	H		30.04	76	78	75	76	"	"	1	"	
8	4 8	"	"	H		30.03	76	78	75	76	"	"	2	"	Same.
9	4 8	"	"	3-4		30.09	76	76	73	75	"	Cir. Cumi.	5	"	
10	4 8	"	"	3-4		30.10	76	76	73	75	"	"	5	"	Hauled up mainsail.
11	5 0	"	E.S.E.	3-4		30.10	75	76	73	75	"	"	5	"	
Mid.	4 8	"	"	3-4		30.10	75	76	73	75	"	"	5	"	

S. 17°10' W. 22°07'

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude ⊙ observed at Sunset

Variation of the Compass by at

under the command of Commander H. L. Schley, U. S. Navy,

Monday, December 2d, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy. Rains latter part of watch. Cir. Cum. Nimb. clouds. Moderate breeze from S.E. by E. Ship under all plain sail & kept fore topmast staysail. On the course. Fires banked in two boilers. Distilling. Density sea water 26.

L. P. Jarrett
Master

From 4. to 8 AM. Overcast. Squally and rainy first two hours. Pleasant remainder of watch. Moderate to stiff breeze from E. and E by S. Ship on course N.N.W. At 4.45 took in spanker and gaff topsail. At 7.40 set them. Fires banked in two boilers. Distilling. Density sea water 26.

Paul Shirley
Ensign

Expended at target practice, ordnance stores, as follows,

Two (2) XI in 5" shells in bows loaded & fuzed
One (1) " " " " " " " " Crane
Six (6) IX in 5" shells " " " " "
Three (3) 6s pdr " " " " " "
Forty five (45) lbs powder cannon in 15 lb. bags.
Sixty (60) " " " " 10 " "
Eighteen (18) " " " " 6 " "
Three (3) Cartridge bags 15 lbs.
Six (6) " " 10 "
Three (3) " " 6 "
Fifty (50) Primers, cannon, quill.

Asa Walker
Lieut.

called all hands
for g. 43 m. 20 sec. rounded
m. sec. Powder g. 47. 45
brought by the mind at
cured, and made
ing.

C. B. T. Moore
Ensign

E.N.E. to East. fires
nked in two boilers.

L. K. Curtis
Lieut

Nimb clouds. Ship on
ed flying jib. Fires
:.

L. P. Jarrett
Master

course N.N.W. At sunset
water 26.

Paul Shirley
Ensign

E by S. latter part E.N.E.

C. B. T. Moore
Ensign

From
Cir. Cum
density 26. Distilling. Barometer

Moon's phase 2d qr dec N. 2°

Examined and found to be correct.
Asa Walker
Lieut.

Navigator.

, U. S. Navy,

, 1878.

Cum. Nimb. clouds.
ast staysail. On the course.

L. P. Jarrett
Master

leasant remainder of
W.N.W. At 4.45 took in
two boilers.

Ensign

From 8 A.M. to Mid. Cloudy and pleasant. Light to gentle breeze from E. Called all hands clear ship for action. Sent aloft [illegible] All ready main g. 43, fore g. 43 20. Rounded to general quarters at g. 45. 20. Ready Engrs. Div. g. 46. 2d Div. g. 47. 20. Powder g. 47. 45 Nav. Div. g. 47. 55. 1st Div. g. 55. 20. Put over target at g. 53. brought by the wind at 10.02. At 10.15 commenced firing at target. At 11.10 secured, and made sail. On course W.N.W. Barometer cloudy. Density 26. Distilling.

C. B. T. Moore
Ensign

Mid. to 4 P.M. Cloudy and pleasant. Gentle to moderate breeze from E.N.E. to East. Sea smooth. Barometer falling slowly. On course W.N.W. Fires banked in two boilers. Distilling. Density 26

L. K. Curtis
Lieut

From 4 to 6 P.M. Clear. Pleasant. Moderate E by S breeze. Cir. Cum. Nimb clouds. Ship on the course under all plain sail except fore topmast staysail, and flying jib. Fires banked in two boilers. Distilling. Density sea water 26.

L. P. Jarrett
Master

From 6 to 8 P.M. Cloudy. pleasant. Moderate breeze from E. by S. Ship on course W.N.W. At sunset [illegible] at quarters. Fires banked in two boilers. Distilling. Density sea water 26.

Ensign

From 8 P.M. to Mid. Cloudy pleasant. Gentle to moderate breeze from E by S. latter part E.S.E. Cir. Cum. clouds. At 11 [illegible] Density 26. Distilling. Barometer steady.

C. B. T. Moore
Ensign

Moon's place 2d qr see N. 2°

Examined and found to be correct.
A. Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En-route from St. Helena to Montevideo, Uruguay.

Hour.	Knots.	Distance Run by Log.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	6	W. N. W.	E by S	4		30.04	75°	76	73	76	b.c.	bk. cum.	4	S.	All plain sail except F.T.M.
2	5	0	"	"	4		30.04	75	76	73	76	"	"	4	"	Staysail and fly. jib
3	5	5	"	"	4		30.05	75	76	73	76	"	"	3	"	
4	5	8	"	E.S.E.	4		30.04	75	76	73	76	"	"	1	"	
5	5	4	"	E	4		30.04	75	75	73	76	"	"	1	"	
6	5	4	"	"	4		30.04	75	75	73	76	"	"	3	"	let mainsail
7	4	8	"	"	4		30.06	75	75	74	76	"	"	2	"	
8	4	2	"	"	4		30.08	75	75	74	76	"	"	1	"	
9	4	0	"	E by S.	3.4		30.09	75	75	74	76	o.p.	cum. Nimb	1	"	All plain sail except
10	4	5	"	E.	4.5		30.09	75	75	74	76	o.	"	0	"	fly. jib & F.T.M. staysail
11	5	5	"	"	5		30.08	75	75	74	76	"	"	0	"	
Noon.	6	2	"	"	4.6		30.09	75	75	74	76	b.c.	"	2	"	

Lat 8°17'13" Long 23°40'29"

Distance run by Log since preceding Noon	115 knots	3	tenths
Latitude by D. R. at Noon	S 17	2	"
Longitude by D. R. at Noon	W 23	40	"
Latitude by Observation at Noon ⊙	S 17	14	"
Longitude by Chronometer from Forenoon Observations ⊙	W 23	48	20
Current during the time 0 knots 6 tenths per hour setting to the SWly S.			
Sp. 638 Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at 10 A.M. Lat S 17°13' Long W 23°38'	W 18	15	"
Water expended during the preceding 24 hours	250	gallons.	
Water Condensed during the preceding 24 hours	900	"	
Water remaining on hand fit for use at Noon	2750	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Hour.	Knots.	Distance Run by Log.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	4	6	W. N. W.	E by S.	3		30.07	76	83	76	76	b.c.	bk. cum. Nimb	6	S.	All plain sail except
2	4	4	"	"	3		30.06	76	80	76	76	"	"	6	"	fly. jib and F.T.M.
3	4	2	"	"	2.3		30.06	76	86	76	76	"	"	6	"	staysail.
4	4	4	"	"	3		30.05	76	79	76	76	"	"	6	"	
5	0	5	"	"	4		30.06	76	77	75	77	o.	"	0	"	
6	5	0	"	E.S.E.	4		30.06	75	77	74	77	"	"	0	"	Same
7	3	6	"	E.	4		30.04	75	77	74	77	b.c.	"	1	"	
8	4	5	"	"	4		30.06	75	77	74	77	"	"	3	"	Same.
9	5	5	"	E by N.	3.6		30.09	75	77	74	77	b.c.q.	bk. cum. Nimb	2	"	
10	4	6	"	"	4		30.07	75	77	74	77	b.c.	"	3	"	
11	6	0	"	E by S.	4.6		30.09	75	77	74	77	b.c.q.	"	1	"	
Mid.	6	2	"	"	4.6		30.08	75	77	74	77	"	"	1	"	Same.

Lat S 17°03' Long W 24°02'

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday, December 3d, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 a.m.

Cloudy and pleasant. Moderate breeze from E by S. E. by E. Sea smooth. Barometer falling slowly. On course W. N. W. At 12.30 stopped distilling and hauled fires. Density sea water 26.

L. K. Curtis
Lieut.

From 4 to 8 a.m. Cloudy. Pleasant. Moderate breeze from S.E. Cir. Cum Nimb. clouds. At 5.30 set mainsail. Ship on the course under all plain sail except fly. jib and fore to mast stays'l. Density sea water 26

L. P. Jewett
Master

From 8 a.m. to Mid. Overcast. Light passing showers first hour. Moderate to fresh breeze from E. On the course W. N. W. All ship's company inspected at quarters. Exercised Co's A & B. and Marine Guard at infantry. Inspected bags. Density sea water 26.

Saml Shelby
Ensign

From Mid to 4 P.M. Clear and pleasant. Light to gentle breeze from E. by S. On course. At 2 exercised 1st Div. firing at target with pistols. Density 26.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Overcast and pleasant. Moderate breeze from E by S and E. S. E. Barometer steady. Ship on course W. N. W. Density 26.

L. K. Curtis
Lieut.

From 6 to 8 P.M. Cloudy. Pleasant. Moderate E by S breeze. Cir. cum. clouds. At sunset mustered at quarters. Ship on the course, under all plain sail except flying jib and fore to mast stays'l. Density sea water 26.

L. P. Jewett.
Master

From 8 P.M. to Mid. Cloudy. equally. Moderate to fresh breeze from E by S. and E by S. Ship on course N. N. W. Density sea water 26.

Saml Shelby
Ensign

Moon's phase 2d qr. Dec. N. 7th

Examined and found to be correct.

Asa Walker.
Lieut

Navigator.

LOG of the United States Steamer "Essex", 4th Rate, 6 Guns,

En-route from St. Helena, to Montevideo, Uruguay

Hour	Knots	Miles	Courses Steered	Winds: Direction	Winds: Force	Leeway	Barometer: Height in Inches	Barometer: Ther. att'd.	Temperature: Air Dry Bulb.	Temperature: Air Wet Bulb.	Temperature: Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	8	W.N.W.	E.S.E.	3-4		30.06		76	75	77	b. c.	Cu-Nb	6	S.	All plain sail except Fly.
2	6	0	"	"	4-5		30.05		75	76	75	"	"	6	"	jib & T.J. M. Staysail
3	6	0	"	"	3-4		30.04		73	76	75	"	"	6	"	
4	5	8	"	"	3-4		30.04		75	76	75	"	"	6	"	
5	5	8	"	ENE.	4		30.15		75	76	73	"	"	7	"	
6	6	0	"	"	4		30.07		75	76	73	"	"	8	"	
7	6	0	"	E.	4-5		30.09		75	76	73	0	"	0	"	Same
8	6	0	"	"	4-5		30.10		75	78	74	bc	"	5	"	
9	5	4	"	"	4		30.10		76	78	74	"	"	7	"	Set flying jib
10	5	0	"	"	4		30.10		77	78	76	"	"	8	"	
11	4	7	"	"	4		30.10		77	78	76	"	"	7	"	
Noon.	6	4	"	"	3-4		30.10		77	78	76	"	"	1	"	

Distance run by Log since preceding Noon: 125 knots 8 ~~miles~~ Tenths.

Latitude by D. R. at Noon: S 17 · 4 · 20 "

Longitude by D. R. at Noon: W 25 · 59 · 30 "

Latitude by Observation at Noon ⊙: S. 17 · 14 · 28 "

Longitude by Chronometer from Forenoon Observations ⊙: W. 26 · 13 "

Current during the time 0 knots 7 ~~miles~~ per hour setting to the SW½W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise: ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat. S 17°14′ Long. W. 25°50′: W 18 · 15 "

Water expended during the preceding 24 hours: 250 gallons.

Water during the preceding 24 hours: "

Water remaining on hand fit for use at Noon: 2000 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

Hour	Knots	Miles	Courses Steered	Winds: Direction	Winds: Force	Leeway	Barometer: Height in Inches	Barometer: Ther. att'd.	Temperature: Air Dry Bulb.	Temperature: Air Wet Bulb.	Temperature: Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	5	0	W.N.W.	E.	5		30.10		78	79	77	bc	Cu-Nb	2	S.	All plain sail except
2	4	0	"	"	4		30.07		77	80	79	78	"	"	7	"	fore topmast Staysail
3	4	4	"	"	4		30.08		77	80	79	78	"	"	6	"	
4	5	5	"	"	4-5		30.08		77	79	78	78	"	"	5	"	
5	5	5	"	"	4		30.07		76	77	78	77	"	"	2	"	Hauled up mainsail
6	4	2	"	"	3-4		30.08		76	77	77	77	"	"	2	"	
7	4	2	"	E.S.E.	3		30.08		76	78	75	78	"	"	7	"	Same
8	5	0	"	"	4		30.09		77	78	75	78	"	"	8	"	
9	5	4	"	E.	4		30.08		77	78	75	78	"	"	9	"	
10	4	8	"	"	4		30.09		77	78	75	78	"	"	9	"	
11	5	5	"	"	5		30.09		77	78	75	78	"	"	5	"	
Mid.	6	0	"	"	5		30.08		77	78	75	78	"	"	5	"	Same.

Longitude by Chronometer from Afternoon Observations ⊙: ° ′ ″

Longitude by Chronometer from Observations ☽: ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset: ° ′ ″

Variation of the Compass by at: ° ′ ″

under the command of Commander W. L. Schley, U. S. Navy,

Wednesday, December 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Gentle to stiff breeze from E by S. At 4 sighted a vessel on our port quarter, standing to North. On course W.N.W. Density 26.

C. B. T. Moore
Ensign

From 4 to 8 AM. Cloudy and pleasant. Moderate breeze from E.N.E. & East. Barometer rising slowly. Sea smooth. Ship on course W.N.W. Sighted a sail at 6.20, two points abaft starbd beam, and lost sight of it soon afterwards. Density 26.

L. R. Lewis
Lieut.

From 8 AM. to Mid. Clear first two hours. Cloudy last two. Moderate breeze rising to fresh breeze from E. last hour. Cir. Cum. Nimb. clouds. At 8.15 set flying jib At 9.15 inspected at quarters, and exercised 1st & 2d Div. at great guns Powder Div. at stations By order of Comdr. the following punishments were assigned Geo. H. Kahn (O.S.) 4d & Jas. Sutton (2 c.t.) for sleeping on lookout, each 48 hours extra duty. Ship on the course under all plain sail except fore t'gallant staysail. Density sea water 26.

L. P. Jewett
Master

From Mid to 4 P.M. Cloudy first hour. Clear remainder of watch. Warm. Moderate to fresh breeze from E. On the course W.N.W. Served out clothing. Density sea water 26.

David Lamdin
Ensign

From 4 to 6 P.M. Cloudy and pleasant. Gentle to moderate breeze from E. At 4.55 hauled up mainsail. On course W.N.W. Density 26

C. B. T. Moore
Ensign

From 6 to 8 P.M. Clear and pleasant. Gentle to moderate breeze from East & E.S.E. Ship on course W.N.W. At 6.20 mustered at quarters. Density 26.

L. R. Lewis
Lieut.

From 8 P.M. to Mid. Clear. Pleasant. Moderate to stiff breeze from the E. Bright moonlight Cir. Cum. Nimb. clouds. Ship on the course under all plain sail except fore t'gallant staysail and mainsail. Density sea water 26.

L. P. Jewett
Master

Moon's phase 2d qr. Dec N. 12°

Examined and found to be correct.

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En-route from St Helena to Monte Video Uruguay

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	6	W.N.W.	E. by S.	5		30.09	78	77	76	77	b.c.	bk bwh	5	Mo.	
2	5	8	"	"	5.6		30.09	78	77	76	77	"	"	1	"	
3	6	6	"	E by S.	5.6		30.09	78	77	76	77	"	"	7	"	
4	6	8	"	E by N.	5.6		30.09	78	77	76	77	"	"	8	"	Let fall clew of mainsail
5	6	0	"	"	4.5		30.06	76	77	75	77	"	"	2	"	
6	6	0	"	"	4		30.06	76	77	75	77	"	"	3	"	Let go the clew of mainsail
7	6	5	"	"	4.5		30.09	76	77	75	77	"	"	2	"	
#8	6	8	"	"	4.5		30.10	76	77	75	77	"	"	1	"	
9	5	2	"	"	4		30.12	76	79	76	77	"	"	1	"	
10	5	0	"	E.N.E.	4		30.12	77	80	77	78	"	"	5	"	All plain sail except
11	4	3	"	"	3		30.13	78	81	78	79	"	"	3	"	fore topmast staysail.
Noon.	4	5	"	E.S.E	3		30.14	78	79	76	79	0	"	0	"	

Distance run by Log since preceding Noon	127	knots	9 Tenths
Latitude by D. R. at Noon	S 17	3	"
Longitude by D. R. at Noon	W 28	25	"
Latitude by Observation at Noon ⊙	S 17	8	45 "
Longitude by Chronometer from Forenoon Observations ⊙	W. 28	33	"
Current during the time 0 knots 4 Tenths per hour setting to the SWbyW.			
Variation of the Compass by Amplitude ⊙ observed at Sunrise 9 30 AM. Lat. S 17° 8' 20" Long W. 28° 15'	W. 17°	15'	"
Variation of the Compass by Azimuth ⊙ observed at	"	"	"
Water expended during the preceding 24 hours	200	gallons.	
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	2250	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

9.627

P. M.																
1	3	8	W. N. W.	E. S. E.	2.3		30.10	78	81	77	79	b.c.	bk bwh	5	L.	All plain sail except fore
2	4	2	"	"	4		30.10	78	81	77	79	"	"	4	"	topmast stay sail.
3	4	5	"	N.E.	4		30.10	78	80	77	79	"	"	4	"	
4	3	0	"	E.	2.3		30.10	78	80	77	79	"	"	7	"	
5	1	5	"	S.E.	1.3		30.09	78	81	80	79	"	"	6	"	Took in Fly jib and main sail
6	2	6	"	"	2.3		30.10	78	81	80	79	"	"	2	"	
7	3	2	"	E by S.	2		30.09	77	79	77	79	"	bk brwn	4	"	Let mainsail.
#8	2	5	"	"	1.2		30.10	77	79	77	79	"	"	3	"	
9	2	2	"	S.E.	2		30.13	77	79	76	79	"	"	7	"	
10	3	8	"	"	2		30.13	77	79	75	79	"	"	7	"	All plain sail except Fly
11	4	0	"	S.S.E.	3		30.13	77	79	75	79	"	"	1	"	jib and fore topmast
Mid.	2	5	"	"	1.2		30.13	76	76	75	79	0	"	0	"	staysail.

Longitude by Chronometer from Afternoon Observations ⊙	"	"	"
Longitude by Chronometer from Observations *	"	"	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	"	"	"
Variation of the Compass by at	"	"	"

under the command of Commander W. S. Schley, U. S. Navy,

Thursday, December 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Stiff to fresh breeze from E by S. and E. On the course W.N.W. Moon set at 2.05. At 3.50 set lee clew of mainsail. Density sea water 26.

Edward Longley
Ensign

From 4 to 8 AM. Cloudy and pleasant. Moderate to stiff breeze from E by N. At 5.20 set weather clew of mainsail. Cir cumm. nimb. clouds. Smooth sea. Density 26.

L. B. T. Moore
Ensign

From 8 AM to Merid. Cloudy and pleasant. Gentle to moderate breeze from E by E to E.S.E. Bar. rising slowly. On course. At 9.15 inspected at quarters. Exercised Co. A at single sticks. Density 25.

L. R. Irwin
Lieut.

From Merid. to 4 P.M. Clear. Warm. Moderate E.S.E. breeze shifting to N.E. and falling light. Cir. cumm. nimb. clouds. At 12.10 changed course to W.N.W½W. By order of Comdg. Officer J.B. Stanley (O.S. 2d Cl.) was released from confinement his sentence by Summ. Court Martial having expired. Ship on the course under all plain sail except fore topmast staysail. Density sea water 26

L. P. Jouett
Master

From 4 to 6 P.M. Cloudy. Pleasant. Light air to gentle breeze from E, shifting at 5. to S.E. On the course W.N.W½W. At 4.15 took in flying jib and mainsail. Density sea water 26.

Edward Longley
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Light breeze from E by S. At 6.20 set mainsail. Clouds, cir cumm. Sea smooth. Density 26.

L. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy and pleasant. Light to gentle breeze from S.E. to S.S.E. Light sprinkling of rain last hour of watch. Barometer steady. Sea smooth. Ship on course. Density sea water 26.

L. R. Irwin
Lieut

Moons phase 2d 9h. See N. 17°

Examined and found to be correct.

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

Ex. route from St. Helena, to Monte Video, Uruguay.

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	5	WNW.	E.S.E.	4.5		30.10	77	75	74	79	fair	Cum. Nimb	0	S.	All plain sail except fore t'gallant stays'l and flying jib.
2	5	2	"	"	4.5		30.10	77	75	74	79	b.c.	"	4	"	
3	5	4	"	"	4.5		30.10	77	75	74	79	"	"	8	"	
4	5	0	"	"	4		30.07	77	75	74	79	"	"	9	"	
5	4	4	"	"	4		30.07	77	75	74	79	"	"	8	"	
#6	4	6	"	"	4.5		30.07	77	77	75	80	"	"	5	"	
7	5	0	"	"	5		30.06	77	77	75	80	"	"	6	"	
8	4	6	"	"	5		30.10	77	77	75	80	"	"	5	"	Same.
9	4	7	S.E. by E.	S.E. by E.	3.4		30.10	77	78	75	80	"	"	5	"	
10	4	2	"	"	3		30.12	78	79	76	80	"	"	6	"	Set fore t'gallant stays'l
11	4	0	"	"	2.3		30.12	79	81	77	81	"	"	8	"	Set flying jib.
Noon.	4	0	"	"	2.3		30.12	80	83	78	81	"	"	8	"	

Sep 637 — #6: Lat. S 17° 11' Long. W. 20° 10'

Distance run by Log since preceding Noon: 91 knots 6 Tenths

Latitude by D. R. at Noon: S 17 · 8 · 45 "

Longitude by D. R. at Noon: W. 20 · 9 · "

Latitude by Observation at Noon ☉: S 17 · 12 · 30 "

Longitude by Chronometer from Forenoon Observations ☉: W. 20 · 27 "

Sep 636 Current during the time 0 knots 7 Tenths per hour setting to the W by S.

Variation of the Compass by Amplitude ☉ observed at Sunrise: " " "

Variation of the Compass by Azimuth ☉ observed at 8 A.M. Lat. S 17° 11' Long. W. 20° 16': W. 15 · 45 "

Water expended during the preceding 24 hours: 250 gallons.

Water during the preceding 24 hours: "

Water remaining on hand fit for use at Noon: 2000 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	4	1	W by N.	E.S.E.	3		30.12	80	83	78	81	b.c.	Cum. Nimb	8	S.	
2	5	0	"	"	4		30.09	80	80	78	81	"	"	6	"	
3	4	5	"	"	4		30.07	80	80	76	81	"	"	8	"	
4	4	0	"	"	3		30.06	79	80	76	81	"	"	5	"	All plain sail.
5	4	0	"	"	3		30.06	79	80	76	81	"	"	5	"	
6	4	0	"	"	3		30.06	79	80	76	81	"	"	5	"	Same
7	4	5	"	E.N.E.	3.6		30.08	79	80	76	81	b.c.	"	3	"	
#8	4	2	"	"	4		30.06	79	79	75	81	"	"	2	"	Set in fly. jib & F.T.M. Stays'l
9	3	6	"	E.S.E.	2.3		30.05	78	79	76	81	b.c.	"	4	"	
10	4	4	"	"	3.4		30.05	78	79	76	81	"	"	6	"	Hauled up Spanker and
11	5	4	"	"	3.4		30.05	78	79	76	81	"	"	6	"	and gaff topsail.
Mid.	5	2	"	"	3.4		31.00	78	79	76	81	"	"	6	"	

Sep 8 — #8: Lat. S 17° 16' Long. W. 21° 3'

Longitude by Chronometer from Afternoon Observations ☉: " " "

Longitude by Chronometer from Observations *: " " "

Variation of the Compass by Amplitude ☉ observed at Sunset: " " "

Variation of the Compass by at: " " "

under the command of Commander W. S. Schley, U. S. Navy,

Friday, December 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast. Squally and rainy the 1st hour, with light wind from S & W. Clear with moderate to stiff breeze from E.S.E. remainder of watch. Cumn. Nimus. clouds. Norm set at 2.40 Ship on the course under all plain sail except fore topmast staysail and flying jib. Density sea water 26.

L. P. Jarrett
Master

From 4 to 8 AM. Clear. Warm. Pleasant. Moderate to stiff breeze from E.S.E. On the course W.N.W. ½ W. ~~and~~ under all plain sail except flying jib and fore topmast staysail. Density sea water 26. At 8 made a sail me point abaft port beam -

Sam C. Lyle
Surgeon

From 8 AM. to Merid. Clear and pleasant. Moderate to light breeze from S. by E. At 9.15 inspected at quarters. At 10.20 set F.S. staysail, at 11.00 set F. jib. Engaged overhauling deep sea sounding apparatus. Density 26. Sea smooth. On course W.N.W. ½ W. Under all plain sail. At 12. changed course to W by N.

C. B. T. Moore
Surgeon

From Merid. to 4 PM. Clear and pleasant. Gentle to moderate breeze from E.S.E. Barometer falling slowly. Sea smooth. On course W. by N. One sail in sight astern. Density 26.

C. K. Curtis
Lieut.

From 4 to 6 PM. Clear. Pleasant. Gentle E.S.E. breeze. Cir cumn. nim. clouds. Ship on the course, under all plain sail. Density sea water 26.

L. P. Jarrett
Master

From 6 to 8 PM. Cloudy. Squally. Gentle to fresh breeze from S.E. shifting suddenly at 7 to E.N.E. On the course W by N. At 6.20 took in flying jib, fore topmast staysail and mainsail. At sunset mustered at quarters. Density sea water 26.

Sam. C. Lyle
Surgeon

From 8 PM. to Mid. Clear and pleasant. Light to moderate breeze from E.S.E. At 8.15 took in spanker and gaff topsail. Bright moonlight. On course. Density 26.

C. B. T. Moore
Surgeon

Morris please 2d qr, Dec. N 21°

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

En. route from St. Helena, to Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	5	N. by W.	S.S.E.	4		30.00	78	79	75	81	b.c.	Cirrus	7	S	All plain square sail
2	4	5	"	"	3		30.02	78	79	75	81	"	"	6	"	
3	5	0	"	"	4		30.03	78	78	75	80	"	"	7	"	
4	5	7	"	"	4		30.00	78	78	75	80	"	"	8	"	
5	5	7	"	"	4		30.10	78	78	75	83	"	"	9	"	
6	4	8	"	"	4		30.12	78	78	75	80	"	"	9	"	
7	4	6	"	"	4		30.07	78	78	76	80	"	Cirro Nimbus	6	"	Set mainsail, flying jib, spanker,
8	5	4	"	"	5.6		30.07	78	78	76	83	"	"	7	"	and gaff topsail.
9	5	6	"	"	4.5		30.07	78	78	76	83	"	"	4	"	
10	6	7	"	"	5		30.16	78	78	76	80	"	"	3	"	
11	5	4	"	"	4		30.07	79	82	79	81	"	"	4	"	
Noon.	5	6	"	E by N.	5		30.07	79	82	78	81	"	"	6	"	Took in spanker and gaff topsail.

Distance run by Log since preceding Noon	115 knots 2 tenths.	
Latitude by D. R. at Noon	S. 17 · 20 ·	"
Longitude by D. R. at Noon	W. 32 · 27	"
Latitude by Observation at Noon ☉	S. 17 · 21 · 30 ·	
Longitude by Chronometer from Forenoon Observations ☉	W. 32 · 36 · 30 ·	
Current during the time knots 4 Tenths. per hour setting to the W by S.		
Variation of the Compass by Amplitude ☉ observed at Sunrise	° ′	"
Variation of the Compass by Azimuth ☉ observed at 8 A.M. Lat. S. 17°20′ Long. W. 32°12	W. 15 0	"
Water expended during the preceding 24 hours	2 070 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	1750	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Sg. 636

P. M.																
1	5	0	W. by N.													
2	4	4	W ½ N.	E.	4.5		30.02	80	85	82	81	b.c.	Cirrus	6	S	
3	5	7	"	"	4.5		29.99	79	82	79	81	"	"	8	"	Hauled down flying jib
4	5	0	"	"	3.4		29.97	79	82	79	81	"	"	8	"	
5	5	0	"	"	3.4		29.95	79	82	79	81	"	"	8	"	
6	5	0	"	"	3		29.95	78	81	78	81	"	"	9	"	Jib and all plain square sail
7	4	6	"	"	3		29.97	78	81	79	81	"	"	8	"	
8	4	8	"	"	4		29.95	78	81	79	81	"	"	8	"	
9	5	0	"	"	4		29.90	78	81	79	81	"	"	8	"	Same.
10	5	0	"	"	4		30.02	78	80	79	81	"	"	4	"	
11	4	6	"	"	4		30.01	78	80	79	81	"	"	6	"	
Mid.	4	4	"	"	4		30.01	78	80	79	81	"	"	7	"	
	4	8	"	"	4		30.01	78	80	79	81	"	"	7	"	Same.

S. 17°28′ W. 32°21′

Longitude by Chronometer from Afternoon Observations ☉	° ′	"
Longitude by Chronometer from Observations	° ′	"
Variation of the Compass by Amplitude ☉ observed at Sunset	° ′	"
Variation of the Compass by at	° ′	"

under the command of Commander H. S. Schley, U. S. Navy,

Saturday, December 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Gentle to moderate breeze from E.S.E. Barometer falling slowly. On course W by N. Moon set at 3.20. Density 26.

C. K. Curtis
Lieut.

From 4 to 8 AM. Clear. Pleasant. Moderate breeze from E.S.E. increasing to fresh breeze latter part of watch. Cir. Cum. clouds. At daylight sighted a Barkantine, on Starboard bow, standing to N.E and E.S.E., also sighted a sail standing to the N.E. At 7.30 set mainsail, spanker, gaff topsail and flying jib. Ship on the course. Density of sea water 26.

L. P. Jarrett
Master

From 8 AM to Merid. Cloudy. Warm. Pleasant. Moderate to gentle breeze from E.S.E & E by N. On the course W by N. At 11 A. struck in spanker, and gaff topsail. Density sea water 26.

Saml Smith
Ensign

From Merid. to 4 P.M. Clear and pleasant. Stiff to gentle breeze from E. At 12.30 changed course to W½N. At 1 hauled down flying jib. Density 26.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear and pleasant. Gentle breeze from East. Ship on the course W½N. At 4.20 sighted a sail, one point forward port beam, standing to N.E & E. Density 26.

C. K. Curtis
Lieut.

From 6 to 8 P.M. Clear. Pleasant. Moderate E by S breeze. Cir Cum. clouds. At 6.20 mustered at quarters. Ship on the course under all square sail and jib. Density sea water 26.

L. P. Jarrett
Master

From 8 P.M. to Mid. Clear and pleasant. Bright moonlight. Moderate breeze from E. On the course W½N. Density sea water 26.

Saml Smith
Ensign

Moon's phase 2d qr. dec N. 24°

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

En. route from St. Helena to Monte Video, Uruguay.

Hour.	Knots.	Miles.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	8	W½N.	E.	4.3		29.98	78	80	78	80	bc.	Cir Cum	8	L.	All square sail and jib.
2	4	4	"	"	2.3	"	29.95	78	80	78	80	"	"	8	"	
3	4	0	"	"	2.3	"	29.95	78	80	77	80	"	"	8	"	
4	4	0	"	"	2.3	"	29.95	78	80	77	80	"	"	7	"	
5	4	4	"	NE by E.	3	"	29.96	78	80	77	80	"	"	7	"	
6	4	0	"	"	2	"	29.98	78	79	76	80	"	"	8	"	All plain sail except F. & M.
7	4	4	"	"	3	"	29.99	78	79	77	81	"	"	8	"	Staysail.
8	4	2	"	"	3	"	30.00	78	80	77	81	"	"	9	"	
9	3	5	"	"	3	"	30.02	77	80	77	81	"	"	9	"	
10	4	4	"	"	4	"	30.01	80	82	79	81	"	"	9	"	
11	3	2	"	"	4	"	30.01	81	82	79	81	"	"	9	"	Same
Noon.	6	0	"	"	4	"	30.01	81	83	80	81	"	"	9	"	

Distance run by Log since preceding Noon — 111 knots 2 ~~fathoms~~ tenths

Latitude by D. R. at Noon — S 17 · 37 · 42 ·

Longitude by D. R. at Noon — W. 34 · 31 · 30 ·

Latitude by Observation at Noon ⊙ — S 17 · 45 · "

39 636 Longitude by Chronometer from Forenoon Observations ⊙ — W 34 · 33 · 30 ·

Current during the time 0 knots 3 ~~fathoms~~ tenths per hour setting to the S by W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise — " · " · "

Variation of the Compass by Azimuth ⊙ observed at 8 AM Lat. S 17° 41 Long. W 34 11 — W 12° · 45 ·

Water expended during the preceding 24 hours — 250 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1500 "

Coal consumed during the preceding 24 hours — tons " lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Miles.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	5	0	W½N.	NE.	4		29.93	80	85	80	81	bc.	Cir Cum.	8	L.	All plain sail except fore topmast staysail.
2	5	2	"	"	4		29.96	80	83	81	82	"	"	9	"	
3	5	4	"	"	4		29.95	80	82	79	82	"	"	8	"	
4	5	2	"	"	4		29.95	80	82	79	82	"	"	8	"	
5	4	8	"	"	3		29.92	79	82	79	82	"	"	8	"	
6	4	7	W½N.	"	3		29.93	79	83	81	82	"	"	8	"	
7	5	0	"	"	3		29.93	79	81	78	81	"	"	9	"	Same except
8	5	2	"	"	3		29.93	79	81	78	81	"	"	9	"	mainsail.
9	5	0	"	"	4		29.93	79	81	78	81	"	"	8	"	Took in royals and
10	4	8	"	"	4		29.93	79	81	78	81	"	"	8	"	flying jib
11	4	8	"	"	4		29.93	79	81	78	81	"	"	8	"	Took in T.g.sls. and
Mid.	3	2	"	"	4		29.93	79	81	78	81	"	"	8	"	gaff topsail.

Longitude by Chronometer from Afternoon Observations ⊙ — " · " · "

Longitude by Chronometer from Observations * — " · " · "

Variation of the Compass by Amplitude ⊙ observed at Sunset — " · " · "

Variation of the Compass by " at " — " · " · "

under the command of Commander W. S. Schley, U. S. Navy,

Sunday, December 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Light to gentle breeze from East. On course W.b.N. Bright moonlight. Smooth sea. Density 26.

C. B. T. Moore
Cmdr

From 4 to 8 AM. Clear and pleasant. Gentle breeze from N.E. by E. Sea smooth. Barometer rising slowly. At 5.15 set flying jib and spanker, and gaff topsail. At 6 sighted a sail ahead. Density sea water 25.

C. M. Curtis
Lieut.

From 8 AM. to Mid. Clear. Pleasant. Moderate N.E. by E. breeze. Cir. Cum. clouds. At 9.20 Comdg Officer inspected ship and crew at quarters, and afterwards read prayers. At 10.10 B. F. Terry (O.S.) fell overboard. Set go Life Buoy. Lowered Life Boat. Hauled down head sails, and rigged mainsail. Hove ship to with main topsail to mast. Picked up man, hoisted boat, made sail and stood on the course. Density sea water 26.

L. P. Jewett
Master

From Mid. to 4 PM. Clear and pleasant. Warm. Moderate breeze from N.E. On the course W.½N. Density sea water 26.

Saml Lewis
Ensign

From 4 to 6 PM. Clear and pleasant. Gentle breeze from N.E. At 5 changed course to W.¼N. Engaged in setting up deep sea sounding apparatus. Density 26.

C. B. T. Moore
Cmdr

From 6 to 8 PM. Clear and pleasant. Gentle breeze from N.E. Barometer steady. On course W.¼N. Took in mainsail, put in mast and sail over. Hoisted smoke stack. Density 25.

C. M. Curtis
Lieut.

From 8 PM. to Mid. Clear. Pleasant. Bright moonlight. Moderate N.E. breeze. At 9.45 took in spanker and flying jib. At 9.15 took in topgallant sails and gaff topsails. At 10. started fires in four boilers. At 11.45 got cast deep sea lead. 65 fathoms. no bottom. At 12. Changed course to N.N.W.½W. Density sea water 26.

L. P. Jewett
Master

Moon's phase 2d qr N. 26°

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

En. route from St. Helena, to Monte Video, Uruguay

Hour.	Knots	Tenths	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperatures. Air Dry Bulb.	Temperatures. Air Wet Bulb.	Temperatures. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. at other Day, in Revs.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	6	N.N.W½W.	N.E.	5		29.95	78	81	79	81	b.c.	Cir.Cum.	7	L.	Topsails, Jibsail jib and Spanker.
2	3	8	"	"	4		29.95	78	81	79	81	"	Cir.Cu.Nim.	4	"	
3	3	5	"	"	4.1		29.97	78	80	78	81	b.c.l.g.	"	3	"	
4	2	8	N.by N.	"	4		29.97	78	80	78	81	b.c.f.	"	2	"	
5	5	5	"	"	4		29.95	79	80	78	81	b.c.	"	6	"	Furled all sail.
6	5	0	"	"	4		29.90	79	81	78	81	"	"	8	"	
7	4	9	"	"	4.5		29.92	79	81	78	81	"	"	8	"	Set Spanker. Took in Spanker.
8	Stopped to Sound.			"	4.5		29.92	79	81	78	81	"	"	8	"	
9	2	3	E	"	4.5		29.95	80	82	78	81	"	"	7	"	
10	3	6	"	"	4.5		29.96	80	83	78	81	"	"	8	"	
11	2 1/2	1	S. ¾ W.	"	4		29.95	81	84	80	82	"	"	9	"	
Noon.	5	3	W by N.	N.	4		29.95	81	84	80	82	"	"	9	"	

Distance run by Log since preceding Noon	101 knots	9 tenths	fathoms.
Latitude by D. R. at Noon	—		"
Longitude by D. R. at Noon	—		"
Latitude by Observation at Noon ⊙	S 17°	56'	40"
Longitude by Chronometer from Forenoon Observations ⊙	W. 36	12	"
Current during the time knots fms. per hour setting to the			
32.635 Variation of the Compass by Amplitude ⊙ observed at Sunrise			"
Variation of the Compass by Azimuth ⊙ observed at 10 A.M. Lat. S. 17 55 Long. W. 36 9	W. 12	30	"
Water expended during the preceding 24 hours	250		gallons.
Water " during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	1250		"
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon		"	"

P. M.															
1	2 1/2	0	S. by W.	N.N.E.	5	29.94	81	84	80	82	b.c.	Cir.Cum.Nim.	7	L.	
2	1	6	E by S.	"	5	29.94	81	84	80	82	"	"	7	"	Steaming under four ballens.
3	4	7	"	"	5	29.94	81	84	80	82	"	"	7	"	
4	1 1/2	2	S. by W.	"	4	29.94	81	84	80	82	"	"	6	"	
5	1	8	S. by W.	"	4	29.94	81	84	80	82	"	"	6	"	
6	3	2	S.W.½S.	"	4	29.95	81	84	80	82	"	"	4	"	
7	5	3	"	"	3	29.95	81	84	80	82	"	"	7	"	Made all square sail.
8	3	5	"	"	2	29.93	81	83	81	82	"	Cir.Cum.	8	"	
9	3	4	"	"	2	29.93	81	82	80	81	"	"	8	"	
10	3	0	"	"	2	29.93	80	82	79	80	"	"	8	"	
11	3	0	"	N.E.	2	29.95	80	82	78	80	"	"	5	"	Set all square sail.
Mid.	3	0	"	"	2	29.97	80	81	78	80	"	"	8	"	
	3	2	"	N.E.by E.	2	29.97	79	81	78	80	"	"	7	"	

Longitude by Chronometer from [illegible] Observations ⊙			"
Longitude by Chronometer from Observations ☽			"
Variation of the Compass by Amplitude ⊙ observed at Sunset			"
Variation of the Compass by " at			"

under the command of Commander W. D. Sebley, U. S. Navy,

Monday. December 9th, 1876.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended with Mod. Clear first hour. Cloudy remainder of watch. Rainy showers last two hours. Moderate breeze from N.E. Moonlight. No change in course. To N by W ½ W. Sounded at 12 fms. Bottom of sand and broken shells. At 1 fm. Sounded at 10 fms. Bottom of sand and broken shells. At 8 fms. Sounded at 7 fms. Bottom of sand and broken shells. At 6 fms. Sounded at 5 fms. Bottom of sand and broken shells. At 4 fms. Sounded at 3 fms. Bottom of sand and broken shells. At 2 fms. Sounded at 1 fm. Bottom of sand and broken shells. At ½ fm. Sounded at ½ fm. Bottom of sand and broken shells. At ¼ fm. Sounded at ¼ fm. Bottom of sand and broken shells. At ⅛ fm. Sounded at ⅛ fm. Bottom of sand and broken shells. At 1/16 fm. Sounded at 1/16 fm. Bottom of sand and broken shells. At 1/32 fm. Sounded at 1/32 fm. Bottom of sand and broken shells. At 1/64 fm. Sounded at 1/64 fm. Bottom of sand and broken shells. At 1/128 fm. Sounded at 1/128 fm. Bottom of sand and broken shells. At 1/256 fm. Sounded at 1/256 fm. Bottom of sand and broken shells. At 1/512 fm. Sounded at 1/512 fm. Bottom of sand and broken shells. At 1/1024 fm. Sounded at 1/1024 fm. Bottom of sand and broken shells. At 1/2048 fm. Sounded at 1/2048 fm. Bottom of sand and broken shells. At 1/4096 fm. Sounded at 1/4096 fm. Bottom of sand and broken shells. At 1/8192 fm. Sounded at 1/8192 fm. Bottom of sand and broken shells. At 1/16384 fm. Sounded at 1/16384 fm. Bottom of sand and broken shells. At 1/32768 fm. Sounded at 1/32768 fm. Bottom of sand and broken shells. At 1/65536 fm. Sounded at 1/65536 fm. Bottom of sand and broken shells. At 1/131072 fm. Sounded at 1/131072 fm. Bottom of sand and broken shells. At 1/262144 fm. Sounded at 1/262144 fm. Bottom of sand and broken shells. At 1/524288 fm. Sounded at 1/524288 fm. Bottom of sand and broken shells. At 1/1048576 fm. Sounded at 1/1048576 fm. Bottom of sand and broken shells. At 1/2097152 fm. Sounded at 1/2097152 fm. Bottom of sand and broken shells. At 1/4194304 fm. Sounded at 1/4194304 fm. Bottom of sand and broken shells. At 1/8388608 fm. Sounded at 1/8388608 fm. Bottom of sand and broken shells. At 1/16777216 fm. Sounded at 1/16777216 fm. Bottom of sand and broken shells. At 1/33554432 fm. Sounded at 1/33554432 fm. Bottom of sand and broken shells. At 1/67108864 fm. Sounded at 1/67108864 fm. Bottom of sand and broken shells. At 1/134217728 fm. Sounded at 1/134217728 fm. Bottom of sand and broken shells. At 1/268435456 fm. Sounded at 1/268435456 fm. Bottom of sand and broken shells. At 1/536870912 fm. Sounded at 1/536870912 fm. Bottom of sand and broken shells. At 1/1073741824 fm. Sounded at 1/1073741824 fm. Bottom of sand and broken shells. At 1/2147483648 fm. Sounded at 1/2147483648 fm. Bottom of sand and broken shells. At 1/4294967296 fm. Sounded at 1/4294967296 fm. Bottom of sand and broken shells. At 1/8589934592 fm. Sounded at 1/8589934592 fm. Bottom of sand and broken shells. At 1/17179869184 fm. Sounded at 1/17179869184 fm. Bottom of sand and broken shells. At 1/34359738368 fm. Sounded at 1/34359738368 fm. Bottom of sand and broken shells. At 1/68719476736 fm. Sounded at 1/68719476736 fm. Bottom of sand and broken shells. At 1/137438953472 fm. Sounded at 1/137438953472 fm. Bottom of sand and broken shells. At 1/274877906944 fm. Sounded at 1/274877906944 fm. Bottom of sand and broken shells. At 1/549755813888 fm. Sounded at 1/549755813888 fm. Bottom of sand and broken shells. At 1/1099511627776 fm. Sounded at 1/1099511627776 fm. Bottom of sand and broken shells. At 1/2199023255552 fm. Sounded at 1/2199023255552 fm. Bottom of sand and broken shells. At 1/4398046511104 fm. Sounded at 1/4398046511104 fm. Bottom of sand and broken shells. At 1/8796093022208 fm. Sounded at 1/8796093022208 fm. Bottom of sand and broken shells. At 1/17592186044416 fm. Sounded at 1/17592186044416 fm. Bottom of sand and broken shells. At 1/35184372088832 fm. Sounded at 1/35184372088832 fm. Bottom of sand and broken shells. At 1/70368744177664 fm. Sounded at 1/70368744177664 fm. Bottom of sand and broken shells. At 1/140737488355328 fm. Sounded at 1/140737488355328 fm. Bottom of sand and broken shells. At 1/281474976710656 fm. Sounded at 1/281474976710656 fm. Bottom of sand and broken shells. At 1/562949953421312 fm. Sounded at 1/562949953421312 fm. Bottom of sand and broken shells. At 1/1125899906842624 fm. Sounded at 1/1125899906842624 fm. Bottom of sand and broken shells. At 1/2251799813685248 fm. Sounded at 1/2251799813685248 fm. Bottom of sand and broken shells. At 1/4503599627370496 fm. Sounded at 1/4503599627370496 fm. Bottom of sand and broken shells. At 1/9007199254740992 fm. Sounded at 1/9007199254740992 fm. Bottom of sand and broken shells. At 1/18014398509481984 fm. Sounded at 1/18014398509481984 fm. Bottom of sand and broken shells. At 1/36028797018963968 fm. Sounded at 1/36028797018963968 fm. Bottom of sand and broken shells. At 1/72057594037927936 fm. Sounded at 1/72057594037927936 fm. Bottom of sand and broken shells. At 1/144115188075855872 fm. Sounded at 1/144115188075855872 fm. Bottom of sand and broken shells. At 1/288230376151711744 fm. Sounded at 1/288230376151711744 fm. Bottom of sand and broken shells. At 1/576460752303423488 fm. Sounded at 1/576460752303423488 fm. Bottom of sand and broken shells. At 1/1152921504606846976 fm. Sounded at 1/1152921504606846976 fm. Bottom of sand and broken shells. At 1/2305843009213693952 fm. Sounded at 1/2305843009213693952 fm. Bottom of sand and broken shells. At 1/4611686018427387904 fm. Sounded at 1/4611686018427387904 fm. Bottom of sand and broken shells. At 1/9223372036854775808 fm. Sounded at 1/9223372036854775808 fm. Bottom of sand and broken shells. At 1/18446744073709551616 fm. Sounded at 1/18446744073709551616 fm. Bottom of sand and broken shells. At 1/36893488147419103232 fm. Sounded at 1/36893488147419103232 fm. Bottom of sand and broken shells. At 1/73786976294838206464 fm. Sounded at 1/73786976294838206464 fm. Bottom of sand and broken shells. At 1/147573952589676412928 fm. Sounded at 1/147573952589676412928 fm. Bottom of sand and broken shells. At 1/295147905179352825856 fm. Sounded at 1/295147905179352825856 fm. Bottom of sand and broken shells. At 1/590295810358705651712 fm. Sounded at 1/590295810358705651712 fm. Bottom of sand and broken shells. At 1/1180591620717411303424 fm. Sounded at 1/1180591620717411303424 fm. Bottom of sand and broken shells. At 1/2361183241434822606848 fm. Sounded at 1/2361183241434822606848 fm. Bottom of sand and broken shells. At 1/4722366482869645213696 fm. Sounded at 1/4722366482869645213696 fm. Bottom of sand and broken shells. At 1/9444732965739290427392 fm. Sounded at 1/9444732965739290427392 fm. Bottom of sand and broken shells. At 1/18889465931478580854784 fm. Sounded at 1/18889465931478580854784 fm. Bottom of sand and broken shells. At 1/37778931862957161709568 fm. Sounded at 1/37778931862957161709568 fm. 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Bottom of sand and broken shells. At 1/38685626227668133590597632 fm. Sounded at 1/38685626227668133590597632 fm. Bottom of sand and broken shells. At 1/77371252455336267181195264 fm. Sounded at 1/77371252455336267181195264 fm. Bottom of sand and broken shells. At 1/154742504910672534362390528 fm. Sounded at 1/154742504910672534362390528 fm. Bottom of sand and broken shells. At 1/309485009821345068724781056 fm. Sounded at 1/309485009821345068724781056 fm. Bottom of sand and broken shells. At 1/618970019642690137449562112 fm. Sounded at 1/618970019642690137449562112 fm. Bottom of sand and broken shells. At 1/1237940039285380274899124224 fm. Sounded at 1/1237940039285380274899124224 fm. Bottom of sand and broken shells. At 1/2475880078570760549798248448 fm. Sounded at 1/2475880078570760549798248448 fm. Bottom of sand and broken shells. At 1/4951760157141521099596496896 fm. Sounded at 1/4951760157141521099596496896 fm. Bottom of sand and broken shells. At 1/9903520314283042199192993792 fm. Sounded at 1/9903520314283042199192993792 fm. Bottom of sand and broken shells. At 1/19807040628566084398385987584 fm. Sounded at 1/19807040628566084398385987584 fm. Bottom of sand and broken shells. At 1/39614081257132168796771975168 fm. Sounded at 1/39614081257132168796771975168 fm. Bottom of sand and broken shells. At 1/79228162514264337593543950336 fm. Sounded at 1/79228162514264337593543950336 fm. Bottom of sand and broken shells. At 1/158456325028528675187087900672 fm. Sounded at 1/158456325028528675187087900672 fm. Bottom of sand and broken shells. At 1/316912650057057350374175801344 fm. Sounded at 1/316912650057057350374175801344 fm. Bottom of sand and broken shells. At 1/633825300114114700748351602688 fm. Sounded at 1/633825300114114700748351602688 fm. Bottom of sand and broken shells. At 1/1267650600228229401496703205376 fm. Sounded at 1/1267650600228229401496703205376 fm. Bottom of sand and broken shells. At 1/2535301200456458802993406410752 fm. Sounded at 1/2535301200456458802993406410752 fm. Bottom of sand and broken shells. At 1/5070602400912917605986812821504 fm. Sounded at 1/5070602400912917605986812821504 fm. Bottom of sand and broken shells. At 1/10141204801825835211973625643008 fm. Sounded at 1/10141204801825835211973625643008 fm. Bottom of sand and broken shells. At 1/20282409603651670423947251286016 fm. Sounded at 1/20282409603651670423947251286016 fm. Bottom of sand and broken shells. At 1/40564819207303340847894502572032 fm. Sounded at 1/40564819207303340847894502572032 fm. Bottom of sand and broken shells. At 1/81129638414606681695789005144064 fm. Sounded at 1/81129638414606681695789005144064 fm. Bottom of sand and broken shells. At 1/162259276829213363391578010288128 fm. Sounded at 1/162259276829213363391578010288128 fm. Bottom of sand and broken shells. At 1/324518553658426726783156020576256 fm. Sounded at 1/324518553658426726783156020576256 fm. 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Sounded at 1/83076749736557242056487941267521536 fm. Bottom of sand and broken shells. At 1/166153499473114484112975882535043072 fm. Sounded at 1/166153499473114484112975882535043072 fm. Bottom of sand and broken shells. At 1/332306998946228968225951765070086144 fm. Sounded at 1/332306998946228968225951765070086144 fm. Bottom of sand and broken shells. At 1/664613997892457936451903530140172288 fm. Sounded at 1/664613997892457936451903530140172288 fm. Bottom of sand and broken shells. At 1/1329227995784915872903807060280344576 fm. Sounded at 1/1329227995784915872903807060280344576 fm. Bottom of sand and broken shells. At 1/2658455991569831745807614120560689152 fm. Sounded at 1/2658455991569831745807614120560689152 fm. Bottom of sand and broken shells. At 1/5316911983139663491615228241121378304 fm. Sounded at 1/5316911983139663491615228241121378304 fm. Bottom of sand and broken shells. At 1/10633823966279326983230456482242756608 fm. Sounded at 1/10633823966279326983230456482242756608 fm. Bottom of sand and broken shells. At 1/21267647932558653966460912964485513216 fm. Sounded at 1/21267647932558653966460912964485513216 fm. Bottom of sand and broken shells. At 1/42535295865117307932921825928971026432 fm. Sounded at 1/42535295865117307932921825928971026432 fm. Bottom of sand and broken shells. At 1/85070591730234615865843651857942052864 fm. Sounded at 1/85070591730234615865843651857942052864 fm. Bottom of sand and broken shells. At 1/170141183460469231731687303715884105728 fm. Sounded at 1/170141183460469231731687303715884105728 fm. Bottom of sand and broken shells. At 1/340282366920938463463374607431768211456 fm. Sounded at 1/340282366920938463463374607431768211456 fm. Bottom of sand and broken shells. At 1/680564733841876926926749214863536422912 fm. Sounded at 1/680564733841876926926749214863536422912 fm. Bottom of sand and broken shells. At 1/1361129467683753853853498429727072845824 fm. Sounded at 1/1361129467683753853853498429727072845824 fm. Bottom of sand and broken shells. At 1/2722258935367507707706996859454145691648 fm. Sounded at 1/2722258935367507707706996859454145691648 fm. Bottom of sand and broken shells. At 1/5444517870735015415413993718908291383296 fm. Sounded at 1/5444517870735015415413993718908291383296 fm. Bottom of sand and broken shells. At 1/10889035741470030830827987437816582766592 fm. Sounded at 1/10889035741470030830827987437816582766592 fm. Bottom of sand and broken shells. At 1/21778071482940061661655974875633165533184 fm. Sounded at 1/21778071482940061661655974875633165533184 fm. Bottom of sand and broken shells. At 1/43556142965880123323311949751266331066368 fm. Sounded at 1/43556142965880123323311949751266331066368 fm. Bottom of sand and broken shells. At 1/87112285931760246646623899502532662132736 fm. Sounded at 1/87112285931760246646623899502532662132736 fm. Bottom of sand and broken shells. At 1/174224571863520493293247799005065324265472 fm. Sounded at 1/174224571863520493293247799005065324265472 fm. Bottom of sand and broken shells. At 1/348449143727040986586495598010130648530944 fm. Sounded at 1/348449143727040986586495598010130648530944 fm. Bottom of sand and broken shells. At 1/696898287454081973172991196020261297061888 fm. Sounded at 1/696898287454081973172991196020261297061888 fm. Bottom of sand and broken shells. At 1/1393796574908163946345982392040522594123776 fm. Sounded at 1/1393796574908163946345982392040522594123776 fm. Bottom of sand and broken shells. At 1/2787593149816327892691964784081045188247552 fm. Sounded at 1/2787593149816327892691964784081045188247552 fm. Bottom of sand and broken shells. At 1/5575186299632655785383929568162090376495104 fm. Sounded at 1/5575186299632655785383929568162090376495104 fm. Bottom of sand and broken shells. At 1/11150372599265311570767859136324180752990208 fm. Sounded at 1/11150372599265311570767859136324180752990208 fm. Bottom of sand and broken shells. At 1/22300745198530623141535718272648361505980416 fm. Sounded at 1/22300745198530623141535718272648361505980416 fm. Bottom of sand and broken shells. At 1/44601490397061246283071436545296723011960832 fm. Sounded at 1/44601490397061246283071436545296723011960832 fm. Bottom of sand and broken shells. At 1/89202980794122492566142873090593446023921664 fm. Sounded at 1/89202980794122492566142873090593446023921664 fm. Bottom of sand and broken shells. At 1/178405961588244985132285746181186892047843328 fm. Sounded at 1/178405961588244985132285746181186892047843328 fm. Bottom of sand and broken shells. At 1/356811923176489970264571492362373784095686656 fm. Sounded at 1/356811923176489970264571492362373784095686656 fm. Bottom of sand and broken shells. At 1/713623846352979940529142984724747568191373312 fm. Sounded at 1/713623846352979940529142984724747568191373312 fm. Bottom of sand and broken shells. At 1/1427247692705959881058285969449495136382746624 fm. Sounded at 1/1427247692705959881058285969449495136382746624 fm. Bottom of sand and broken shells. At 1/2854495385411919762116571938898990272765493248 fm. Sounded at 1/2854495385411919762116571938898990272765493248 fm. Bottom of sand and broken shells. At 1/5708990770823839524233143877797980545530986496 fm. Sounded at 1/5708990770823839524233143877797980545530986496 fm. Bottom of sand and broken shells. At 1/11417981541647679048466287755595961091061972992 fm. Sounded at 1/11417981541647679048466287755595961091061972992 fm. Bottom of sand and broken shells. At 1/22835963083295358096932575511191922182123945984 fm. Sounded at 1/22835963083295358096932575511191922182123945984 fm. Bottom of sand and broken shells. At 1/45671926166590716193865151022383844364247891968 fm. Sounded at 1/45671926166590716193865151022383844364247891968 fm. Bottom of sand and broken shells. At 1/91343852333181432387730302044767688728495783936 fm. Sounded at 1/91343852333181432387730302044767688728495783936 fm. Bottom of sand and broken shells. At 1/182687704666362864775460604089535377456991567872 fm. Sounded at 1/182687704666362864775460604089535377456991567872 fm. Bottom of sand and broken shells. At 1/365375409332725729550921208179070754913983135744 fm. Sounded at 1/365375409332725729550921208179070754913983135744 fm. Bottom of sand and broken shells. At 1/730750818665451459101842416358141509827966271488 fm. Sounded at 1/730750818665451459101842416358141509827966271488 fm. Bottom of sand and broken shells. At 1/1461501637330902918203684832716283019655932542976 fm. Sounded at 1/1461501637330902918203684832716283019655932542976 fm. Bottom of sand and broken shells. At 1/2923003274661805836407369665432566039311865085952 fm. Sounded at 1/2923003274661805836407369665432566039311865085952 fm. Bottom of sand and broken shells. At 1/5846006549323611672814739330865132078623730171904 fm. Sounded at 1/5846006549323611672814739330865132078623730171904 fm. Bottom of sand and broken shells. At 1/11692013098647223345629478661730264157247460343808 fm. Sounded at 1/11692013098647223345629478661730264157247460343808 fm. Bottom of sand and broken shells. At 1/23384026197294446691258957323460528314494920687616 fm. Sounded at 1/23384026197294446691258957323460528314494920687616 fm. Bottom of sand and broken shells. At 1/46768052394588893382517914646921056628989841375232 fm. Sounded at 1/46768052394588893382517914646921056628989841375232 fm. Bottom of sand and broken shells. At 1/93536104789177786765035829293842113257979682750464 fm. Sounded at 1/93536104789177786765035829293842113257979682750464 fm. Bottom of sand and broken shells. At 1/187072209578355573530071658587684226515959365500928 fm. Sounded at 1/187072209578355573530071658587684226515959365500928 fm. Bottom of sand and broken shells. At 1/374144419156711147060143317175368453031918731001856 fm. Sounded at 1/374144419156711147060143317175368453031918731001856 fm. Bottom of sand and broken shells. At 1/748288838313422294120286634350736906063837462003712 fm. Sounded at 1/748288838313422294120286634350736906063837462003712 fm. Bottom of sand and broken shells. At 1/1496577676626844588240573268701473812127674924007424 fm. Sounded at 1/1496577676626844588240573268701473812127674924007424 fm. Bottom of sand and broken shells. At 1/2993155353253689176481146537402947624255349848014848 fm. Sounded at 1/2993155353253689176481146537402947624255349848014848 fm. Bottom of sand and broken shells. At 1/5986310706507378352962293074805895248510699696029696 fm. Sounded at 1/5986310706507378352962293074805895248510699696029696 fm. Bottom of sand and broken shells. At 1/11972621413014756705924586149611790497021399392059392 fm. Sounded at 1/11972621413014756705924586149611790497021399392059392 fm. Bottom of sand and broken shells. At 1/23945242826029513411849172299223580994042798784118784 fm. Sounded at 1/23945242826029513411849172299223580994042798784118784 fm. Bottom of sand and broken shells. At 1/47890485652059026823698344598447161988085597568237568 fm. Sounded at 1/47890485652059026823698344598447161988085597568237568 fm. Bottom of sand and broken shells. At 1/95780971304118053647396689196894323976171195136475136 fm. Sounded at 1/95780971304118053647396689196894323976171195136475136 fm. Bottom of sand and broken shells. At 1/191561942608236107294793378393788647952342390272950272 fm. Sounded at 1/191561942608236107294793378393788647952342390272950272 fm. Bottom of sand and broken shells. At 1/383123885216472214589586756787577295904684780545900544 fm. Sounded at 1/383123885216472214589586756787577295904684780545900544 fm. Bottom of sand and broken shells. At 1/766247770432944429179173513575154591809369561091801088 fm. Sounded at 1/766247770432944429179173513575154591809369561091801088 fm. Bottom of sand and broken shells. At 1/1532495540865888858358347027150309183618739122183602176 fm. Sounded at 1/1532495540865888858358347027150309183618739122183602176 fm. Bottom of sand and broken shells. At 1/3064991081731777716716694054300618367237478244367204352 fm. Sounded at 1/3064991081731777716716694054300618367237478244367204352 fm. Bottom of sand and broken shells. At 1/6129982163463555433433388108601236734474956488734408704 fm. Sounded at 1/6129982163463555433433388108601236734474956488734408704 fm. Bottom of sand and broken shells. At 1/12259964326927110866866776217202473468949912977468817408 fm. Sounded at 1/12259964326927110866866776217202473468949912977468817408 fm. Bottom of sand and broken shells. At 1/24519928653854221733733552434404946937899825954937634816 fm. Sounded at 1/24519928653854221733733552434404946937899825954937634816 fm. Bottom of sand and broken shells. At 1/49039857307708443467467104868809893875799651909875269632 fm. Sounded at 1/49039857307708443467467104868809893875799651909875269632 fm. Bottom of sand and broken shells. At 1/98079714615416886934934209737619787751599303819750539264 fm. Sounded at 1/98079714615416886934934209737619787751599303819750539264 fm. Bottom of sand and broken shells. At 1/196159429230833773869868419475239575503198607639501078528 fm. Sounded at 1/196159429230833773869868419475239575503198607639501078528 fm. Bottom of sand and broken shells. At 1/392318858461667547739736838950479151006397215279002157056 fm. Sounded at 1/392318858461667547739736838950479151006397215279002157056 fm. Bottom of sand and broken shells. At 1/784637716923335095479473677900958302012794430558004314112 fm. Sounded at 1/784637716923335095479473677900958302012794430558004314112 fm. Bottom of sand and broken shells. At 1/1569275433846670190958947355801916604025588861116008628224 fm. Sounded at 1/1569275433846670190958947355801916604025588861116008628224 fm. Bottom of sand and broken shells. At 1/3138550867693340381917894711603833208051177722232017256448 fm. Sounded at 1/3138550867693340381917894711603833208051177722232017256448 fm. Bottom of sand and broken shells. At 1/6277101735386680763835789423207666416102355444464034512896 fm. Sounded at 1/6277101735386680763835789423207666416102355444464034512896 fm. Bottom of sand and broken shells. At 1/12554203470773361527671578846415332832204710888928069025792 fm. Sounded at 1/12554203470773361527671578846415332832204710888928069025792 fm. Bottom of sand and broken shells. At 1/25108406941546723055343157692830665664409421777856138051584 fm. Sounded at 1/25108406941546723055343157692830665664409421777856138051584 fm. Bottom of sand and broken shells. At 1/50216813883093446110686315385661331328818843555712276103168 fm. Sounded at 1/50216813883093446110686315385661331328818843555712276103168 fm. Bottom of sand and broken shells. At 1/100433627766186892221372630771322662657637687111424552206336 fm. Sounded at 1/100433627766186892221372630771322662657637687111424552206336 fm. Bottom of sand and broken shells. At 1/200867255532373784442745261542645325315275374222849104412672 fm. Sounded at 1/200867255532373784442745261542645325315275374222849104412672 fm. Bottom of sand and broken shells. At 1/401734511064747568885490523085290650630550748445698208825344 fm. Sounded at 1/401734511064747568885490523085290650630550748445698208825344 fm. Bottom of sand and broken shells. At 1/803469022129495137770981046170581301261101496891396417650688 fm. Sounded at 1/803469022129495137770981046170581301261101496891396417650688 fm. Bottom of sand and broken shells. At 1/1606938044258990275541962092341162602522202993782792835301376 fm. Sounded at 1/1606938044258990275541962092341162602522202993782792835301376 fm. Bottom of sand and broken shells. At 1/3213876088517980551083924184682325205044405987565585670602752 fm. Sounded at 1/3213876088517980551083924184682325205044405987565585670602752 fm. Bottom of sand and broken shells. At 1/6427752177035961102167848369364650410088811975131171341205504 fm. Sounded at 1/6427752177035961102167848369364650410088811975131171341205504 fm. Bottom of sand and broken shells. At 1/12855504354071922204335696738729300820177623950262342682411008 fm. Sounded at 1/12855504354071922204335696738729300820177623950262342682411008 fm. Bottom of sand and broken shells. At 1/25711008708143844408671393477458601640355247900524685364822016 fm. Sounded at 1/25711008708143844408671393477458601640355247900524685364822016 fm. Bottom of sand and broken shells. At 1/51422017416287688817342786954917203280710495801049370729644032 fm. Sounded at 1/51422017416287688817342786954917203280710495801049370729644032 fm. Bottom of sand and broken shells. At 1/102844034832575377634685573909834406561420991602098741459288064 fm. Sounded at 1/102844034832575377634685573909834406561420991602098741459288064 fm. Bottom of sand and broken shells. At 1/205688069665150755269371147819668813122841983204197482918576128 fm. Sounded at 1/205688069665150755269371147819668813122841983204197482918576128 fm. Bottom of sand and broken shells. At 1/411376139330301510538742295639337626245683966408394965837152256 fm. Sounded at 1/411376139330301510538742295639337626245683966408394965837152256 fm. Bottom of sand and broken shells. At 1/822752278660603021077484591278675252491367932816789931674304512 fm. Sounded at 1/822752278660603021077484591278675252491367932816789931674304512 fm. Bottom of sand and broken shells. At 1/1645504557321206042154969182557350504982735865633579863348609024 fm. Sounded at 1/1645504557321206042154969182557350504982735865633579863348609024 fm. Bottom of sand and broken shells. At 1/3291009114642412084309938365114701009965471731267159726697218048 fm. Sounded at 1/3291009114642412084309938365114701009965471731267159726697218048 fm. Bottom of sand and broken shells. At 1/6582018229284824168619876730229402019930943462534319453394436096 fm. Sounded at 1/6582018229284824168619876730229402019930943462534319453394436096 fm. Bottom of sand and broken shells. At 1/13164036458569648337239753460458804039861886925068638906788872192 fm. Sounded at 1/13164036458569648337239753460458804039861886925068638906788872192 fm. Bottom of sand and broken shells. At 1/26328072917139296674479506920917608079723773850137277813577744384 fm. Sounded at 1/26328072917139296674479506920917608079723773850137277813577744384 fm. Bottom of sand and broken shells. At 1/52656145834278593348959013841835216159447547700274555627155488768 fm. Sounded at 1/52656145834278593348959013841835216159447547700274555627155488768 fm. Bottom of sand and broken shells. At 1/105312291668557186697918027683670432318895095400549111254310977536 fm. Sounded at 1/105312291668557186697918027683670432318895095400549111254310977536 fm. Bottom of sand and broken shells. At 1/210624583337114373395836055367340864637790190801098222508621955072 fm. Sounded at 1/210624583337114373395836055367340864637790190801098222508621955072 fm. Bottom of sand and broken shells. At 1/421249166674228746791672110734681729275580381602196445017243910144 fm. Sounded at 1/421249166674228746791672110734681729275580381602196445017243910144 fm. Bottom of sand and broken shells. At 1/842498333348457493583344221469363458551160763204392890034487820288 fm. Sounded at 1/842498333348457493583344221469363458551160763204392890034487820288 fm. Bottom of sand and broken shells. At 1/1684996666696914987166688442938726917102321526408785780068975640576 fm. Sounded at 1/1684996666696914987166688442938726917102321526408785780068975640576 fm. Bottom of sand and broken shells. At 1/3369993333393829974333376885877453834204643052817571560137951281152 fm. Sounded at 1/3369993333393829974333376885877453834204643052817571560137951281152 fm. Bottom of sand and broken shells. At 1/6739986666787659948666753771754907668409286105635143120275902562304 fm. Sounded at 1/6739986666787659948666753771754907668409286105635143120275902562304 fm. Bottom of sand and broken shells. At 1/13479973333575319897333507543509815336818572211270286240551805124608 fm. Sounded at 1/13479973333575319897333507543509815336818572211270286240551805124608 fm. Bottom of sand and broken shells. At 1/26959946667150639794667015087019630673637144422540572481103610249216 fm. Sounded at 1/26959946667150639794667015087019630673637144422540572481103610249216 fm. Bottom of sand and broken shells. At 1/53919893334301279589334030174039261347274288845081144962207220498432 fm. Sounded at 1/53919893334301279589334030174039261347274288845081144962207220498432 fm. Bottom of sand and broken shells. At 1/107839786668602559178668060348078522694548577690162289924414440996864 fm. Sounded at 1/107839786668602559178668060348078522694548577690162289924414440996864 fm. Bottom of sand and broken shells. At 1/215679573337205118357336120696157045389097155380324579848828881993728 fm. Sounded at 1/215679573337205118357336120696157045389097155380324579848828881993728 fm. Bottom of sand and broken shells. At 1/431359146674410236714672241392314090778194310760649159697657763987456 fm. Sounded at 1/431359146674410236714672241392314090778194310760649159697657763987456 fm. Bottom of sand and broken shells. At 1/862718293348820473429344482784628181556388621521298319395315527974912 fm. Sounded at 1/862718293348820473429344482784628181556388621521298319395315527974912 fm. Bottom of sand and broken shells. At 1/1725436586697640946858688965569256363112777243042596638790631055949824 fm. Sounded at 1/1725436586697640946858688965569256363112777243042596638790631055949824 fm. Bottom of sand and broken shells. At 1/3450873173395281893717377931138512726225554486085193277581262111899648 fm. Sounded at 1/3450873173395281893717377931138512726225554486085193277581262111899648 fm. Bottom of sand and broken shells. At 1/6901746346790563787434755862277025452451108972170386555162524223799296 fm. Sounded at 1/6901746346790563787434755862277025452451108972170386555162524223799296 fm. Bottom of sand and broken shells. At 1/13803492693581127574869511724554050904902217944340773110325048447598592 fm. Sounded at 1/13803492693581127574869511724554050904902217944340773110325048447598592 fm. Bottom of sand and broken shells. At 1/27606985387162255149739023449108101809804435888681546220650096895197184 fm. Sounded at 1/27606985387162255149739023449108101809804435888681546220650096895197184 fm. Bottom of sand and broken shells. At 1/55213970774324510299478046898216203619608871777363092441300193790394368 fm. Sounded at 1/55213970774324510299478046898216203619608871777363092441300193790394368 fm. Bottom of sand and broken shells. At 1/110427941548649020598956093796432407239217743554726184882600387580788736 fm. Sounded at 1/110427941548649020598956093796432407239217743554726184882600387580788736 fm. Bottom of sand and broken shells. At 1/220855883097298041197912187592864814478435487109452369765200775161577472 fm. Sounded at 1/220855883097298041197912187592864814478435487109452369765200775161577472 fm. Bottom of sand and broken shells. At 1/441711766194596082395824375185729628956870974218904739530401550323154944 fm. Sounded at 1/441711766194596082395824375185729628956870974218904739530401550323154944 fm. Bottom of sand and broken shells. At 1/883423532389192164791648750371459257913741948437809479060803100646309888 fm. Sounded at 1/883423532389192164791648750371459257913741948437809479060803100646309888 fm. Bottom of sand and broken shells. At 1/1766847064778384329583297500742918515827483896875618958121606201292619776 fm. Sounded at 1/1766847064778384329583297500742918515827483896875618958121606201292619776 fm. Bottom of sand and broken shells. At 1/3533694129556768659166595001485837031654967793751237916243212402585239552 fm. Sounded at 1/3533694129556768659166595001485837031654967793751237916243212402585239552 fm. Bottom of sand and broken shells. At 1/7067388259113537318333190002971674063309935587502475832486424805170479104 fm. Sounded at 1/7067388259113537318333190002971674063309935587502475832486424805170479104 fm. Bottom of sand and broken shells. At 1/14134776518227074636666380005943348126619871175004951664972849610340958208 fm. Sounded at 1/14134776518227074636666380005943348126619871175004951664972849610340958208 fm. Bottom of sand and broken shells. At 1/28269553036454149273332760011886696253239742350009903329945699220681916416 fm. Sounded at 1/28269553036454149273332760011886696253239742350009903329945699220681916416 fm. Bottom of sand and broken shells. At 1/56539106072908298546665520023773392506479484700019806659891398441363832832 fm. Sounded at 1/56539106072908298546665520023773392506479484700019806659891398441363832832 fm. Bottom of sand and broken shells. At 1/113078212145816597093331040047546785012958969400039613319782796882727665664 fm. Sounded at 1/113078212145816597093331040047546785012958969400039613319782796882727665664 fm. Bottom of sand and broken shells. At 1/226156424291633194186662080095093570025917938800079226639565593765455331328 fm. Sounded at 1/226156424291633194186662080095093570025917938800079226639565593765455331328 fm. Bottom of sand and broken shells. At 1/452312848583266388373324160190187140051835877600158453279131187530910662656 fm. Sounded at 1/452312848583266388373324160190187140051835877600158453279131187530910662656 fm. Bottom of sand and broken shells. At 1/904625697166532776746648320380374280103671755200316906558262375061821325312 fm. Sounded at 1/904625697166532776746648320380374280103671755200316906558262375061821325312 fm. Bottom of sand and broken shells. At 1/1809251394333065553493296640760748560207343510400633813116524750123642650624 fm. Sounded at 1/1809251394333065553493296640760748560207343510400633813116524750123642650624 fm. Bottom of sand and broken shells. At 1/3618502788666131106986593281521497120414687020801267626233049500247285301248 fm. Sounded at 1/3618502788666131106986593281521497120414687020801267626233049500247285301248 fm. Bottom of sand and broken shells. At 1/7237005577332262213973186563042994240829374041602535252466099000494570602496 fm. Sounded at 1/7237005577332262213973186563042994240829374041602535252466099000494570602496 fm. Bottom of sand and broken shells. At 1/14474011154664524427946373126085988481658748083205070504932198000989141204992 fm. Sounded at 1/14474011154664524427946373126085988481658748083205070504932198000989141204992 fm. Bottom of sand and broken shells. At 1/28948022309329048855892746252171976963317496166410141009864396001978282409984 fm. Sounded at 1/28948022309329048855892746252171976963317496166410141009864396001978282409984 fm. Bottom of sand and broken shells. At 1/57896044618658097711785492504343953926634992332820282019728792003956564819968 fm. Sounded at 1/57896044618658097711785492504343953926634992332820282019728792003956564819968 fm. Bottom of sand and broken shells. At 1/115792089237316195423570985008687907853269984665640564039457584007913129639936 fm. Sounded at 1/115792089237316195423570985008687907853269984665640564039457584007913129639936 fm. Bottom of sand and broken shells. At 1/231584178474632390847141970017375815706539969331281128078915168015826259279872 fm. Sounded at 1/231584178474632390847141970017375815706539969331281128078915168015826259279872 fm. Bottom of sand and broken shells. At 1/463168356949264781694283940034751631413079938662562256157830336031652518559744 fm. Sounded at 1/463168356949264781694283940034751631413079938662562256157830336031652518559744 fm. Bottom of sand and broken shells. At 1/926336713898529563388567880069503262826159877325124512315660672063305037119488 fm. Sounded at 1/926336713898529563388567880069503262826159877325124512315660672063305037119488 fm. Bottom of sand and broken shells. At 1/1852673427797059126777135760139006525652319754650249024631321344126610074238976 fm. Sounded at 1/1852673427797059126777135760139006525652319754650249024631321344126610074238976 fm. Bottom of sand and broken shells. At 1/3705346855594118253554271520278013051304

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

On route from St. Helena to Monte Video, Uruguay.

Hour	Knots	Courses Steered	Winds. Direction	Winds. Force	Leeway	Barometer. Height in Inches	Barometer. Ther. att'd	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols	Forms of Clouds, by symbols	Prop. of clear Sky, in Tenths	State of the Sea	Record of the sail the vessel is under at end of watch.
A. M.															
1	3 0	S.W.½S.	N.by E.	2.3		29.97	79	80	78	80	b.c.	cir.cum.	9	S.	All equare sail and jib.
2	3 4	"	"	2.3		29.97	79	80	78	80	"	"	7	"	
3	3 4	"	"	2		29.97	79	80	78	80	"	"	8	"	
4	3 2	"	"	2		29.95	79	80	78	80	"	"	7	"	
5	3 0	"	E.	2		29.95	79	80	78	81	"	cir.cum.str.	8	"	
6	3 5	"	"	2		29.96	79	80	78	81	"	cir.cum	8	"	
7	3 0	"	"	3		29.97	79	80	78	81	"	"	7	"	Same
8	3 0	"	"	3		29.96	79	80	79	81	"	"	7	"	set 2 spanker, gaff topsail and lee clew of the mainsail and
9	2 0	"	E.N.E.	2		30.00	81	83	79	81	"	"	9	"	flying jib.
10	2 4	"	"	1.2		30.03	81	84	80	81	"	"	9	"	
11	1 0	"	"	0.1		30.03	82	86	82	81	"	"	9	"	
Noon.	1 0	"	"	0.1		30.03	82	88	83	81	"	"	9	"	

Distance run by Log since preceding Noon	68 knots 6 tenths
Latitude by D. R. at Noon	S 18° 47' "
Longitude by D. R. at Noon	W 36° 30' "
Latitude by Observation at Noon ⊙	S 19° 1' "
Longitude by Chronometer from Forenoon Observations ⊙	W 36° 36' "
Sp. 635 Current during the time 0 knots 6 tenths per hour setting to the	S.S.W.
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ☉ observed at 8 A.M. Lat. 18°34' Long. 36°32'	W. 10 ° ' "
Water expended during the preceding 24 hours	250 gallons.
Water Condensed during the preceding 24 hours	600 "
Water remaining on hand fit for use at Noon	1600 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

P. M.															
1	0 5	S.W.½S.	E.N.E.	0.1		30.03	82	88	86	81	b.c.	cir.cum	9	S	All plain sail except F.T.M.
2	2 0	"	"	1		30.01	81	86	80	81	"	"	9	"	Stay sail and weather clew
3	2 2	"	"	1		30.00	81	85	80	81	"	"	9	"	of mainsail.
4	2 4	"	"	1.2		29.99	81	85	80	81	"	"	9	"	
5	2 8	"	"	2.3		29.99	81	84	80	82	"	"	9	"	
6	3 2	"	"	3		29.99	81	84	80	82	"	"	9	"	Same.
7	2 5	"	"	1.2		29.99	81	84	80	81	"	"	9	"	
8	1 6	"	"	1.2		29.99	81	84	80	81	"	"	9	"	Same
9	1 4	"	"	1		30.00	81	82	78	81	"	"	9	"	
10	1 6	"	"	1		30.00	80	81	78	80	"	"	9	"	
11	2 2	"	"	1		30.00	80	81	78	80	"	"	9	"	
Mid.	2 4	"	"	2		29.98	80	81	78	80	"	"	9	"	Same

S 19° 16'
W 36° 48'

Longitude by Chronometer from Afternoon Observations ⊙	° ' "
Longitude by Chronometer from Observations ☉	° ' "
Variation of the Compass by Amplitude ⊙ observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Tuesday, December 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant. Light N.E by E. breeze. Bright moonlight. Cir. Cumm. clouds. Ship on the course, under all plain square sail and jib. Fires banked in two boilers. Distilling. Density sea water 26.

L. P. Jarrett
Master

From 4 to 8 A.M. Clear and pleasant. Light to gentle breeze from E. On the course S.W.½S. Fires banked in two boilers. Distilling. Density sea water 26. Moon set at 5.35.

Saml Leslie
Ensign

From 8 A.M. to Mid. Clear and pleasant. Light breeze to light airs from E.N.E. At 8.05 set spanker, gaff topsail, flying jib and lee clew of mainsail. At 9.15 inspected at quarters. Exercised Co. A. at target practice. On course S.W.½S. Distilling. Density sea water 26.

C. B. T. Moore
Ensign

From Mid. to 4 P.M. Clear and warm. Light airs to light breeze from E.N.E. Ship on the course S.W. ½ S. Shifted main tacks and sheets to fore sail and fore tacks and sheets to mainsail. One sail in sight on port beam. Density sea water 25. Fires banked in two boilers. Distilling.

C. N. Loomis
Lieut.

From 4 to 6 P.M. Clear. Warm. Gentle breeze from E.N.E. Cir. Cumm. clouds. Ship on the course, under all plain sail, except fore topmast staysail and weather clew of mainsail. Fires banked in two boilers. Distilling. Two sails in sight, one on port beam, other on starboard quarter. Density sea water 25.

L. P. Jarrett
Master

From 6 to 8 P.M. Clear and pleasant. Light breeze to light airs from E.N.E. On course S.W½S. At 6.30 mustered at quarters. Moon rose at 7.28. Fires banked in two boilers. Distilling. Density of sea water 25.

Saml Leslie
Ensign

From 8 P.M. to Mid. Clear and pleasant. Light airs to light breeze from E.N.E. Moonlight. On course S.W.½S. Distilling. Density 26.

C. B. T. Moore
Ensign

Moon's phase 3d qr dec. N. 26°.

Examined and found to be correct.

Asa Walker,
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

En. route from St. Helena to Monte Video, Uruguay.

Hour.	Knots	Fathoms	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1	8	S.W. ½ S.	E.N.E.	1		30.00	80	80	77	81	b.c.	Cir. Cum	9	S.	All plain sail except
2	1	2	"	"	1		29.99	80	88	77	81	"	"	9	"	F.S.M. staysail and weather
3	1	4	"	"	1.2		29.98	79	79	77	81	"	"	9	"	dew of mainsail.
4	2	0	"	"	1.2		29.98	79	80	77	81	"	"	9	"	
5	1	5	"	"	1.2		29.98	79	80	77	81	"	"	9	"	
6	2	0	"	"	2		29.98	79	80	77	81	"	"	9	"	
7	2	8	"	"	2		29.99	79	86	77	81	"	"	9	"	
8	2	8	"	"	2		30.00	79	80	77	81	"	"	9	"	Same
9	2	5	"	"	2		29.99	79	82	80	81	"	"	9	"	All plain sail except
10	3	0	"	"	2.3		30.00	79	84	80	81	"	"	9	"	F.S.M. staysail.
11	2	8	"	"	0		30.02	79	85	80	81	"	"	9	"	
Noon.	2	4	"	"	2		30.02	79	86	81	81	"	"	9	"	

Distance run by Log since preceding Noon	51 knots	0	tenths ~~fathoms~~.
Latitude by D. R. at Noon	S 19°	45'	"
Longitude by D. R. at Noon	W. 37°	4'	"
Latitude by Observation at Noon ⊙	S 19°	57'	45"
Longitude by Chronometer from Forenoon Observations ⊙	W. 37°	13'	"
Current during the time knots 6 ~~fms.~~ tenths per hour setting to the SWby S			
Sq. 635 Variation of the Compass by Amplitude ⊙ observed at Sunrise			"
Variation of the Compass by Azimuth ⊙ observed at SAM. Lat S. 19 47' Long W 37° 7'	W 8°	45'	"
Water expended during the preceding 24 hours	400		gallons.
Water condensed during the preceding 24 hours	800		"
Water remaining on hand fit for use at Noon	2000		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1	1	5	S.W. ½ S.	E.N.E.	1.2		30.01	81	87	82	83	b.c.	Cir. Cum	9	S	All plain sail except
#2	1	4	"	"	1.2		30.00	81	86	82	83	"	"	8	"	F.S.M. staysail.
3	1	8	"	"	1.2		29.98	81	85	82	83	"	Cir. Cum Strat	6	"	
4	1	6	"	"	1.2		29.97	81	85	82	83	"	"	6	"	
5	2	5	"	"	2		29.96	81	83	79	81	"	"	6	"	
6	2	6	"	"	2		29.96	81	83	79	81	"	"	5	"	Same.
7	2	7	"	N.E.	2		29.95	81	83	79	81	"	Cir. Cum	6	"	Took in Mainsail
#8	2	8	"	"	2		29.96	81	83	79	81	"	"	6	"	
9	3	0	"	"	3		29.96	81	83	79	81	"	"	7	"	Took in flying jib.
10	3	0	"	"	3		29.97	81	82	78	80	"	"	7	"	
11	3	2	"	"	3		29.96	81	82	78	80	"	"	7	"	
Mid.	3	5	"	"	3		29.96	81	82	78	81	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙	"	"	"
Longitude by Chronometer from Observations *	"	"	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	"	"	"
Variation of the Compass by at	"	"	"

under the command of Commander W. S. Schley, U. S. Navy,

Wednesday, December 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Light airs from E.N.E. Barometer falling slowly. Long swell from S.W. Bright moonlight. Two sail in sight, one on starb. bow, the other one point forward of the port beam. Fires banked in two boilers. Distilling. Density 25.

L. H. Lewis
Lieut.

From 4 to 8 AM. Clear. Warm. Light breeze from E.N.E. Cir. cum. clouds. Ship on the course under all plain sail except fore topmast staysail and weather clew of mainsail. Three sails in sight, one on port beam, one two points on port bow, and one on starboard beam. Fires banked in two boilers. Av. at. pressure 25 lbs. Distilling. Density sea water 25.

L. P. Jouett
Master

From 8 AM. to Merid. Clear and warm. Light breeze from E.N.E. On the course S.W½S. At 10. set weather clew of mainsail. At 9.15 inspected at quarters. Exercised Co. B. at target practice, with rifles. J. H. Powers (O. Sea) fell overboard, but caught sea ladder and was hauled on board. Exchanged colors with an English barque. Three sails in sight standing to N. & W. Fires banked in two boilers. Distilling. Density sea water 25.

Jam. C. Cauldwell
Ensign

From Merid. to 4 PM. Clear and pleasant. Light airs to light breeze from E.N.E. On course S.W½S. Density 25. Distilling. Long swell from S. & E.

C. B. T. Moore
Ensign

From 4 to 6 PM. Clear and pleasant. Light breeze from E.N.E. Barometer steady. Long swell from S. Several sails in sight. On course S.W½S. Fires banked in two boilers. Distilling. Density 25.

C. H. Lemly
Lieut.

From 6 to 8 PM. Clear. Pleasant. Light breeze from N.E. Cir. cum. clouds. At 6.45 took in mainsail. At sunset mustered at quarters. At sunset several sails in sight. Fires banked in two boilers. Distilling. Density 25.

L. P. Jouett
Master

From 8 PM. to Mid. Clear and pleasant. Gentle breeze from N.E. Long swell from S. Bright moonlight. At 8.10 hauled down flying jib. Moon rose at 8.20. Fires banked in two boilers. Distilling. Density sea water 25. On the course S.W½S.

Jam. Cauldwell
Ensign

From's phase 3' 9" dec N. 24°

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the United States Steamer "Essex", 7th Rate, 6 Guns,

En-route from St. Helena, to Monte Video, Uruguay.

Hour.	Knots.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. at clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.															
1	4 0	S.W. ½ S.	N.E.	2.0		29.96	79	81	77	80	b.c.	Cir. Cum.	7	Ld	Ship under all plain
2	4 4	"	"	2.3		29.93	78	80	76	83	"	"	7	"	sail except mainsail
3	4 7	"	"	3		29.92	78	83	76	83	"	"	7	"	F.T.M. staysail and fly.
4	5 0	"	"	3		29.90	78	83	76	80	"	"	7	"	jib.
5	3 6	"	N.N.E.	2.3		29.94	78	79	76	79	"	"	5	"	
6	3 8	"	"	2.3		29.95	78	79	76	78	"	"	2	"	
7	4 0	"	"	2.3		29.97	78	79	76	78	"	"	4	"	
8	3 7	"	"	2.3		29.91	79	81	78	78	"	"	7	"	
9	4 0	"	"	4		29.98	80	82	78	78	"	"	8	"	Set lee clew of mainsail
10	4 0	"	N.N.E.	4		30.00	81	82	79	78	"	"	8	"	
11	4 2	"	"	4		29.98	81	81	79	78	"	"	8	"	
Noon.	4 5	"	"	4		29.95	81	83	80	78	"	"	3	"	

Distance run by Log since preceding Noon	79 knots 5 tenths
Latitude by D. R. at Noon	S 21 ° 6 ' "
Longitude by D. R. at Noon	W. 37 ° 57 ' "
Latitude by Observation at Noon ☉	S 21 ° 25 ' "
Longitude by Chronometer from Forenoon Observations ☉	W 38 ° 1 ' "
Current during the time 0 knots 8 tenths per hour setting to the S by W.	
Sg. 626 Variation of the Compass by Amplitude ☉ observed at Sunrise	" ' "
Variation of the Compass by Azimuth ☉ observed at 8 AM Lat S. 21° 7' Long W. 37° 52'	W. 8 ° 10 ' "
Water expended during the preceding 24 hours	250 gallons.
Water Condensed during the preceding 24 hours	750 "
Water remaining on hand fit for use at Noon	2500 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

P. M.															
1	5 6	S.W.	N. by E.	4		29.99	81	84	80	79	b.c.	Cir. Cum.	3	Ld	Set flying jib and
2	5 4	"	"	4		29.96	81	84	80	80	"	"	3	"	weather clew of mainsail
3	5 2	"	N	4		29.93	81	84	80	80	"	Cir. Cum. Strat.	2	"	
4	5 4	"	"	4		29.94	81	84	80	80	"	"	3	"	
5	4 8	"	N.W.	2.5		29.93	78	82	79	80	Sq. r.	"	0	"	Furled royals, clew down F.T.G. sails - Furled upper mainsail - Took in flying jib and gaff topsail - Hoisted fly jib
6	2 5	"	N.	1.2		29.93	78	80	78	78	b.c.	"	2	"	
7	2 1	"	N.W.	1.2		29.93	78	80	78	78	"	"	0	"	
8	3 5	"	"	2		29.93	78	79	77	78	b.c.	"	3	"	Took in royals and
9	3 5	"	"	2		29.93	78	79	77	78	"	"	3	"	flying jib. Set F.T.M.
10	1 6	"	"	1.2		29.93	78	79	77	78	"	"	4	"	staysail.
11	1 0	"	"	1		29.94	78	79	77	78	"	"	5	"	
Mid.	1 0	"	"	0.1		29.93	78	79	77	78	"	"	5	"	Sence.

S 21° 57' W 38° 22'

Longitude by Chronometer from Afternoon Observations ☉	" ' "
Longitude by Chronometer from Observations ☽	" ' "
Variation of the Compass by Amplitude ☉ observed at Sunset	" ' "
Variation of the Compass by	at " ' "

under the command of Commander H. S. Schley, U. S. Navy,

Thursday, December 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Light to gentle breeze from E. to E. Under all plain sail, except Mainsail F. S. W. staysail and F. Jib. Bright moonlight. Density sea water 25. Distilling. Heavy swell from N. 10th. On course S. W. ½ S.

C. B. T. Moore
Ensign

From 4 to 8 AM. Cloudy and pleasant. Light to gentle breeze from N. E. Barometer rising slowly. Long swell from N. 10th On course S. W. ½ S. Fires banked in two boilers. Distilling. Density 26.

C. K. Curtis
Lieut.

From 8 AM. to Merid. Clear. Warm. Moderate N. N. E. breeze. Cir. cum. clouds. At 9.15 inspected at quarters, and exercised Co. B. at single sticks. Ship on the course, under all plain sail except flying jib, fore topmast staysail and weather cloths of mainsail. Fires banked in two boilers. Distilling. By order of Comdg. Officer W. H. Harmer (Lds) was given 108 hours extra duty - offense. Disrespect to Officer of Deck and dirty mess gear. Density sea water 25.

E. P. Jouett
Master

From Merid. to 4 P.M. Cloudy and warm. Moderate breeze from N. by E. and N. At 12.15 changed course to S. W. At 12.45 set flying jib and weather cloths of mainsail. Fires banked in two boilers. Distilling. Density sea water 25.

Samuel Smith
Ensign

From 4 to 6 P.M. Overcast. Rain. Latter part cloudy and pleasant. At 4.20 furled royals and flying jib. Took in spanker and gaff topsail, hauled up mainsail to reefing squall. At 4.20 carried away lee leech of fore topsail. unbent fore topsail, bent and set new one. At 5.10 made plain sail to royals, except fore topmast staysail and gaff topsail. Distilling.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Light airs to gentle breeze from N. W. At 6.30 mustered at quarters. At 7.50 took in royals and flying jib, and hoisted fore topmast staysail. Stopped distilling. Density 25.

C. K. Curtis
Lieut

From 8 P.M. to Mid. Cloudy and pleasant. Gentle breeze from N. W. first hour, falling very light towards end of watch. Cir. cum. nimb. clouds. At 10. hauled fires. Ship on the course, under all plain sail to top-gallant sails. Density sea water 26.

E. P. Jouett
Master

Moon's phase 3d qr. Dec N. 20°

Examined and found to be correct.

Read Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

En route from St Helena to Monte Video, Uruguay.

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																Took in Top gallant sails and jib, and Mainsail.
1	3	0	S.by E½E	S.W. by W.	3.6	-	29.94	79	78	77	78	o.q.	Cir. Cu. Strat.	0	M.	took two reefs in
2	2	0	S.E. by S.		4.7	1	29.92	79	78	76	78	b.c.f.q.	"	1	"	topsails.
3	1	8	S.E.	S.W. by S.	5.7	1	29.92	79	78	76	78	b.c.q.	"	1	"	
4	2	0	S.E. ½ E.	S. S.W.	4.6	1	29.93	79	78	76	78		"	1	"	
5	1	8	S.E. by E.		4	-	29.93	78	77	75	78	o.q.	"	0	D.	
6	0	5	S. by W.	N.	4	-	29.96	75	74	73	78	o.r.	"	0	"	
7	0	0	Bringing to the N. end	S.E.	0.1	-	29.97	76	74	73	78	"	"	0	"	Set mainsail
8	1	5	S.W. by W. ½ W.	S by E.	4.5	-	29.98	76	75	73	78	o.q.r.	"	0	"	Shook reef out of Topsails Set topsails &
#9	5	0	W.S.W.	S.	5	-	30.00	76	76	74	78	o.f.	"	0	"	Set jib
10	5	4			4.5	-	30.03	76	77	74	78	o	"	0	"	All plain sail except royals and fly. jib.
11	4	5	S.W. by W ½ W.	S.E. by E.	4.5	-	30.04	76	77	74	78	o	"	0	"	
Noon.	4	8	"	"	4.5	-	30.04	76	77	74	78	o.f.	"	0	"	

S 22.18' W. 38.32'

Distance run by Log since preceding Noon	72 knots	3 tenths ~~fathoms~~	"
Latitude by D. R. at Noon	S 22	16'	"
Longitude by D. R. at Noon	W 38	33'	"
Latitude by Observation at Noon ⊙	S 22	11'	"
Longitude by Chronometer from Forenoon Observations ⊙	W 38	45'	"
Current during the time knots fms. per hour setting to the			
Sg 626 Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	'	"
Variation of the Compass by Azimuth ⊙ observed at	°	'	"
Water expended during the preceding 24 hours	250	gallons.	
Water Condensed during the preceding 24 hours	400	"	
Water remaining on hand fit for use at Noon	2650	"	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.																
1	4	8	S.W. by W ½ W. E. ½ S.	S.E. by E	5	-	30.04	76	77	74	78	o.	Cir. Cu. Strat.	0	D.	All plain sail to
2	5	8		"	5	-	30.02	76	77	75	78	"	"	0	"	topgallant sail
3	6	0	E ¾ S.	"	5	-	30.00	76	77	75	78	"	"	0	"	
4	5	8	E ½ S.	"	5	-	30.00	76	77	75	78	"	"	0	"	
5	5	8		"	6	½	30.01	76	77	76	79	"	"	0	"	Same except gaff
6	5	0	S.W. by W ½ W.	S.S.E.	6	½	30.01	76	77	76	79	"	"	0	"	topsail.
7	5	2	S.W ½ W.	"	5.6	½	29.99	76	77	75	79	o.q.q.	"	0	M.	Took single reef in
8	5	6		"	5.6	½	30.00	76	77	75	79	"	"	0	"	topsails &
9	5	3	S.W.	"	4.5	-	30.02	76	76	74	79	"	"	0	"	Jib, F.T.M. staysail.
10	5	0	S.W. ½ W.	"	4.5	-	30.03	77	75	74	79	"	"	0	"	Courses, single reefed
11	4	0	"	"	3.5	-	30.04	76	75	74	78	o.	"	0	"	topsails, T.G.sls. Spanker
Mid.	4	8	"	"	3	-	30.04	76	75	74	78	"	"	0	"	and gaff topsail

S 22.18' W. 38.24'

Longitude by Chronometer from Afternoon Observations ⊙	°	'	"
Longitude by Chronometer from Observations	°	'	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy,

Friday, December 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast. Squally. Damp. Obscure moonlight. Moderate to very fresh breeze from S.W. by W. Shifting to S.S.W. By the wind on Mbt. tack. At 1.10 took in T.G. sails and mainsail. Took two reefs in topsails and hauled down jib. Density sea water 25.

Lewis C. Lewis
Ensign

From 4 to 8 AM. Overcast. Squally. Wet. Moderate breeze from S.S.W. Full and bye. At 5. while wearing ship, received a light squall, with heavy rain from N.E. same time wind shifting to N. brought ship to course S.W. At 6 wind falling to light airs from N.E. to E. No steerage way. Drifting to N. & W. At 7 set mainsail. Took reefs out of topsails. Set T.G. sails and jib. Full and bye. Density 25.

C. B. T. Moore
Ensign

From 8 AM to Merid. Overcast and rainy. Moderate to stiff breeze from S by E. & S. Barometer rising slowly. Long swell from S. At 9.30 inspected at quarters. Afterguards exercised at fire quarters. Times as follows 1st 3d. 2m 30s. Powder 1m 20s. 2d 1m 20s. Engrs. 1m 35s. Secured in 1m 15s. At 10. cleared down F.T.G. sail, unrolled the sail and set it at 11.20. Set gaff topsail at 11.05. Several sails in sight. Density 25.

L. K. Lewis
Lieut

From Merid. to 4 PM. Overcast. Cool. Stiff S.W. breeze. Cir. cum. mist. clouds. At 12.30 backed ship to 6th. At 2.30 spoken by Swedish Bark, standing to S. & W. She saluted by dipping colors. Gave her by Int. Code sigs. our longitude. Ship close hauled on starboard tack, under all plain sail to T.G. sails. Density sea water 25.

L. P. Jarrett
Master

From 4 to 6 PM. Overcast. Cool. Fresh breeze from S by E. and S.S.E. By the wind on starb. tack. At 5.30 wore ship to S. & W. Took in gaff topsail. Density sea water 25.

Lewis C. Lewis
Ensign

From 6 to 8 PM. Overcast. Squally. Gloomy. Stiff to moderate breeze from S.S.E. At 6.20 mustered at quarters. Immediately after called all hands, took single reef in topsails. Moderate sea. Density sea water 25. Full and bye.

C. B. T. Moore
Ensign

From 8 PM. to Mid. Overcast and pleasant. Squally and threatening weather first part of watch. Stiff breeze from S.S.E. first part, gentle breeze latter part from S.S.E. Sea moderate. Moon rose at 10. Density 26.

L. K. Lewis
Lieut

Moon's phase 3d qr dec. N 16°

Examined and found to be correct.

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

En route from St. Helena to Monte Video, Uruguay.

Hour.	Knots.	Miles.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	5	S.W. ½ S.	S.S.E.	3		30.04	76	75	74	79	b.c.	Cirrostratus	1	M.	Jib, F.T.M. Staysail, Courses.
2	3	0	S.W.		3		30.02	76	75	74	79	"	"	1	"	reefed topsails T.G. sails
3	3	8	"	S.E.	3		30.02	76	75	74	79	"	"	2	"	and spanker.
4	3	8	"	"	4		30.01	76	75	74	79	"	"	2	"	shook out reefs - set royals
5	3	5	"	"	3		30.01	76	76	75	79	"	"	3	"	and fly. jib.
6	4	5	"	"	4		30.00	76	77	75	78	"	"	7	"	Jib.
7	5	0	"	"	4		30.02	76	77	75	78	"	"	1	"	All plain sail.
8	5	0	"		4		30.03	76	77	75	78	0.	"	0	"	
9	5	0	"	S.E. by E.	2-4		30.05	76	77	75	78	0	"	0	"	at 9 A.M. Set [illegible] royals
10	3	6	"	"	1.2		30.07	76	77	76	78	o.c.	"	0	"	Loosed sum fly. jib. Set royals and fly. jib.
11	2	5	"	"	2		30.07	76	77	76	78	o.d.	"	0	"	
Noon.	3	6	"	"	2.3		30.05	75	77	76	78	"	"	0	"	

Distance run by Log since preceding Noon	106 knots	8 tenths
Latitude by D. R. at Noon	S 23 · 8 ·	"
Longitude by D. R. at Noon	W 39 · 10 ·	"
Latitude by Observation at Noon ⊙	· ·	"
Longitude by Chronometer from Forenoon Observations ⊙	W. 39 · 28 ·	"
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	· ·	"
Variation of the Compass by Azimuth ⊙ observed at 9h 25m Am. Lat. S. 23° 0', Long. W. 39° 23'	W. 8 ·	"
Water expended during the preceding 24 hours	250	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2400	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Hour.	Knots.	Miles.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	3	5	S.W.	S.E. by E.	2		30.06	76	77	76	78	o.d.	Cirrostratus	0	S.	All plain sail except
2	2	8	"	"	2		30.06	75	77	75	78	"	"	0	"	F.T.M. staysail.
3	2	8	"	E.S.E.	1.2		30.05	75	76	75	78	"	"	0	"	
4	3	7	"	S. by E.	3		30.04	75	76	75	78	"	"	0	"	
5	4	2	"	E.S.E.	3		30.02	75	76	75	78	"	"	0	"	All plain sail
6	4	0	"	E.S.E.	3		30.02	75	76	75	78	"	"	8	"	
7	2	8	"	"	2		30.01	75	76	75	78	s.r.	"	0	"	Took in flying jib and F.T.M. staysail
8	2	2	"	"	2		30.01	75	76	75	78	"	"	0	"	
9	2	0	"	"	1.2		30.04	76	77	76	78	"	"	0	"	Took in spanker and
10	1	6	"	"	1		30.04	76	77	76	78	"	"	0	"	gaff topsail.
11	2	0	"	"	1.2		30.05	76	76	75	78	b.c.	"	4	"	
Mid.	2	0	"	"	1		30.06	76	76	75	78	"	"	4	"	

S 23° 29'
W 39° 44'

Longitude by Chronometer from Afternoon Observations ⊙	· ·	"
Longitude by Chronometer from Observations *	· ·	"
Variation of the Compass by Amplitude ⊙ observed at Sunset	· ·	"
Variation of the Compass by at	· ·	"

under the command of Commander H. L. Schley, U. S. Navy,

Saturday, December 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear. Pleasant. Gentle to Moderate breeze from S.S.E. shifting to S.E. Ship on the course under courses, single reefed topsails, top-gallant sails, jib, fore topmast staysail and spanker. Observed moonlight. Density of sea water 26.

L. P. Jewett
Master

From 4 to 8 AM. Cloudy and pleasant. Gentle to moderate breeze from S.E. Ship on the course S.W. At 5 Hoisted reefs out of topsails, set royals and flying jib. One sail in sight on weather bow. Density sea water 26

Saml. L. Smith
Ensign

From 8 AM. to Merid. Overcast and pleasant; latter part drizzling rain. Light airs to gentle breeze from S.E. by E. At 9.45 clewed ~~down~~ up royals, hauled down F. Jib. Density sea water 26. On course.

C. B. T. Moore
Ensign

From Merid. to 4 PM. Overcast. Drizzling rain during the watch. Barometer falling slowly. Long swell from S.E. by E. On course S.W. Density 25.

C. K. Curtis
Lieut.

From 4 to 6 PM. Overcast. Drizzling rain. Gentle E.S.E. breeze, shifting to E.N.E. Cir. cumb. clouds. Ship on the course under all plain sail. Density sea water 25. Long swell from S. & E.

L. P. Jewett
Master

From 6 to 8 PM. Overcast. Rainy. Light breeze from E.N.E. Ship on the course S.W. At 6.30 took in flying jib and fore topmast staysail. Unbent staysail and bent new one. Moderate swell from S.E. Density sea water 25.

Saml. L. Smith
Ensign

From 8 PM. to Mid. Overcast, disagreeable and wet. Latter part cloudy and pleasant. Light airs to light breeze from E.N.E. At 8.20 took in spanker and gaff topsail. Density sea water 25. On course S.W.

C. B. T. Moore
Ensign

Moon's phase 3d 9h Dec. N. 11°

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En-route from St. Helena to Monte Video, Uruguay.

Hour.	Knots.	Fathms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1	5	S.W.	N.N.E.	1		31.05	76	77	77	78	d.c.g.	Cum. Strat.	8	M.	Jib and all plain square sail
2	3	4	"	N.E.	3		30.13	76	77	76	78	"	"	0	"	
3	4	3	"	"	3		30.02	76	77	76	78	"	"	0	"	
4	4	6	"	"	3		30.01	76	77	76	78	c.g.	"	0	"	
#5	5	2	"	N.E. by N.	4		31.0	76	77	76	78	c.p.a.	"	0	"	
6	5	0	"	"	4-5		30.97	76	77	76	78	c.p.	"	0	"	
7	5	1	"	"	4		31.01	76	77	76	78	c.a.	"	1	"	
8	4	3	"	N.N.E.	4		31.01	76	78	78	78	"	"	3	"	Set Spanker and gaff topsail.
9	5	6	"	"	5		31.07	76	78	78	78	"	b.c.s. Cum.	3	"	Set flying jib and fore topmast staysail.
10	5	5	"	N.	5		30.04	76	80	79	78	"	Cu. Cum. Str.	5	"	
11	5	2	"	"	5		31.03	76	80	79	78	"	"	6	"	
Noon.	5	2	"	"	4		30.14	76	80	79	78	"	Cu. Cum.	3	"	All plain sail

S 28° 50' W 40°

Distance run by Log since preceding Noon — 88 knots 1 ~~tenths~~ fathoms.

Latitude by D. R. at Noon — S 24 . 19 "

Longitude by D. R. at Noon — W. 40 . 25 "

Latitude by Observation at Noon ☉ — . . "

Longitude by Chronometer from Forenoon Observations ☉ — W 40 . 28 "

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — . . "

Variation of the Compass by Azimuth ☉ observed at S.S.W. Lat. 23°50' Long. 40°14' — W. 7 . 15 "

Water expended during the preceding 24 hours — 237 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2157 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	4	4	S.W.	N.N.E.	4		30.02	78	81	79	78	b.a.	Cu. Cum.	4	D	
2	3	9	"	"	3		30.03	79	83	80	79	"	"	6	"	
3	3	2	"	"	2		30.03	79	83	80	79	"	"	6	"	Hauled down and stowed fly jib and fore topmast staysail
4	2	8	"	"	2		30.03	79	83	80	79	"	"	6	"	
5	2	7	"	N.E.	2		30.03	80	82	80	79	"	"	8	"	All plain sail except fly jib and fore topmast staysail
6	3	0	"	"	2		30.03	79	82	80	79	"	"	6	"	
7	3	5	"	"	3		30.03	78	80	78	79	"	"	7	"	
#8	4	0	"	"	3		30.01	78	80	78	79	"	"	7	"	All square sail and jib.
9	4	0	"	E.N.E.	3		30.03	78	79	77	79	b.c.l.	"	8	"	Set Spanker. Took in Spanker.
10	4	0	"	"	3		30.04	78	79	77	78	b.a.	"	7	"	
11	3	8	"	"	3		30.04	78	79	77	78	b.c.l.	"	5	"	
Mid.	3	4	"	"	3		30.02	78	79	77	78	"	"	3	"	All square sail & jib.

S 20° 41' W 40° 45'

Longitude by Chronometer from Afternoon Observations ☉ — . . "

Longitude by Chronometer from Observations * — . . "

Variation of the Compass by Amplitude ☉ observed at Sunset — . . "

Variation of the Compass by at — . . "

under the command of Commander H. S. Schley, U. S. Navy,

Sunday, December 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Drizzling rain greater part of watch. Light airs first hour from N.N.E. gentle breeze rest of watch from N.E. Barometer falling slowly. On course S.W. Density 25.

C. K. Curtis
Lieut.

From 4 to 8 A.M. Cloudy. Passing showers 1st part. Clearing up latter part of watch. Cum. mumb clouds. Moderate to stiff breeze from N.E. shifting to N.N.E. At 7.30 set spanker and gaff topsail. On the course S.W.

L. P. Jouett
Master

From 8 A.M. to Merid. Cloudy. Warm. Pleasant. Stiff breeze from N.N.E and N. On the course S.W. At 8.55 set flying jib and fore topmast staysail. Stowed main topsail to dry. At 9.40 inspected divisions. At 9.50 Comdg. Officer inspected ship and crew at quarters. Afterwards read prayers. By order of Comdg. Officer Master L. P. Jouett was suspended from duty to await action of Comder in Chief for being intoxicated at quarters. Density sea water 25.

Saml Ensley
Ensign

From Merid to 4 P.M. Clear and pleasant. Moderate to light breeze from N.N.E. At 2.30 hauled down and stowed F.T. Mstaysail and F. jib. On course S.W. Barometer steady Density sea water 25.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear and pleasant. Gentle breeze breeze from N.E. Long swell from N.E. Ship on the course S.W. Density sea water 25.

C. K. Curtis
Lieut.

From 6 to 8 P.M. Clear and pleasant. Gentle N.E. breeze. Cum. mumb. clouds. At sunset mustered at quarters. On the course under all square sail and jib. Density sea water 25.

Saml Ensley
Ensign

From 8 P.M. to Mid. Clear first part. Cloudy last hour. Pleasant. Gentle breeze from E.N.E. Occasional lightning to S.E. & E.S.E. Ship on the course S.W. At 8.20 set spanker. At 8.40 took in spanker. Moon rose at 11.35. Density sea water 25.

Asa Walker,
Lieut.

Noon's place 3° 6' Lat. N. 6°.

Examined and found to be correct.

Asa Walker.
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

En route from St. Helena to Monte Video, Uruguay

Hour.	Knots.	Miles.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2	8	S.W.	E.N.E.	2		30.00	77	78	77	78	b.c.	Cirro Strat	6	b	All plain sail except
2	3	7			2		29.99	77	78	77	78	"	"	4	"	2 p.s. S.S. M. Staysail, Spanker
3	4	4			2 3		29.97	77	78	77	78	"	"	7	"	and gaff topsail.
4	4	4			2 3		29.97	76	78	77	78	"	"	5	"	
5	4	0			3		29.97	76	78	77	78	o.d.	"	0	"	
6	4	0			3		29.97	77	78	76	78	b.c.	"	8	"	Jib, and all square sail.
7	4	0			3		29.98	78	79	77	78	"	"	9	"	
8	4	0			3		29.99	78	80	79	78	"	"	9	"	
9	4	3			4		29.99	79	81	79	78	"	"	8	"	
10	4	3			4		30.00	79	82	80	78	"	"	8	"	
11	3	6			3		30.00	79	83	80	78	"	"	8	"	Same.
Noon.	3	5			3		30.00	80	84	81	78	"	"	8	"	"

Distance run by Log since preceding Noon 89 nots 4 tenths Salloons.

Latitude by D. R. at Noon S. 25° 28'

Longitude by D. R. at Noon W. 41 20

Latitude by Observation at Noon ⊙ S. 25. 29

Longitude by Chronometer from Forenoon Observations ⊙ W. 41 37

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at 8 0... Lat S. 25° 17' Long W 41° 26' W 5°—

Water expended during the preceding 24 hours 250 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Miles.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	3	4	S.W.	E.N.E.	3		30.00	80	86	84	78	b.c.	Cirro Str.	7	b	Jib and all square sail
2	3	2		N.E. by E.	3		29.97	80	85	83	79	"	Cir. Cum.	8	"	
3	3	4			3		29.95	80	84	82	79	"	"	9	"	
4	3	2		N.E.	3		29.93	81	84	82	79	"	"	9	"	
5	3	0			2		29.92	81	83	81	79	"	"	9	"	
6	3	0			2		29.92	80	82	80	78	"	"	9	"	Same
7	2	7		N.E. by E.	2		29.92	79	80	78	78	"	"	2	"	
8	2	6			2		29.93	78	80	78	77	"	"	2	"	
9	3	5		E.N.E.	3		29.95	78	80	78	77	"	"	1	"	Set Spanker.
10	4	0			3		29.95	78	79	78	77	"	"	10	"	Took in Spanker.
11	3	7		N.E.	2 3		29.95	78	79	78	77	b.c.n.	"	5	"	
Mid.	3	4		N.N.E.	2 3		29.95	78	79	78	77	b.c.n.	"	4	"	

Lat S. 25° 48' Long W. 41° 52'

Longitude by Chronometer from Afternoon Observations ⊙ " " "

Longitude by Chronometer from Observations " " "

Variation of the Compass by Amplitude ⊙ observed at Sunset " " "

Variation of the Compass by at " " "

under the command of Commander W. S. Schley, U. S. Navy,

Monday, December 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Light to gentle breeze from E.N.E. Obscured moonlight. Clouds cir. cum. nimb. Smooth sea. On course S.W. Density sea water 25.

L. K. Lewis
Lieut.

From 4 to 8 AM. Overcast and drizzling rain first hour. Clear rest of watch. Gentle breeze from E.N.E. On the course S.W. under jib and all sq.an sail. Sea smooth. Density sea water 26.

Saml Lyle
Ensign

From 8 AM. to Mid. Clear. Warm. Moderate breeze from E.N.E. Cir. cum. nimb. clouds. At 9.15 mustered at quarters and Exercised at Gun and Quarters. Time as follows: Cast loose in 5.40. Secured in 5.55. Ship on the course, under all sq.an sail and jib. Density sea water 25.

L. B. S. Moore
Ensign

From Mid. to 4 PM. Clear and warm. Gentle breeze varying from E.N.E. to N.E. Ship on the course S.W. Density sea water 25.

L. K. Lewis
Lieut.

From 4 to 6 PM. Clear and pleasant. Light breeze from N.E. Clouds cir. cum. On course S.W. Density of sea water 25.

Saml Lyle
Ensign

From 6 to 8 PM. Cloudy and pleasant. Light breeze from N.E. by E. Barometer rising slowly. Sea smooth. At 6.20 mustered at quarters. Density sea water 25.

L. B. S. Moore
Ensign

From 8 PM. to Mid. Clear. Bright starlight first part. Cloudy latter part of watch. Cir. cum. nimb. clouds. Heavy dew. Gentle breeze from E.N.E. shifting to N.N.E. At 8.20 set spanker. At 10.45 hauled up port clew of mainsail, and took in spanker. At 11.30 set port clew and hauled up starboard clew of mainsail. Ship on the course, under jib and all sq.an sail except weather clew of mainsail. Density sea water 25. Barometer steady.

Wm Scheutz
Lt. Comdr.

moon pl. rise 3d qr sec. S 1°.

Examined and found to be correct.

Asaph Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En route from St. Helena to Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURES. Air Dry Bulb.	TEMPERATURES. Air Wet Bulb.	TEMPERATURES. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Units.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	0	S.W.	N.N.E.	3-4		29.90	78	79	77	77	b.c.	Cu-Cu St.	2	S.	
2	4	5		N.E by E.	4		29.89	78	79	78	78	"	"	3	"	
3	4	6		"	4		29.86	78	79	78	78	O.	"	0	"	
4	6	0		N.E by E.	5		29.84	78	79	77	78	"	"	0	"	Unreather clew of main
5	6	6		N by W.	5		29.80	76	78	76	78	b.c.	Cu-Cu Nim	2	"	sail and flying jib
6	5	6		"	4		29.80	76	78	76	78	"	"	2	"	
7	4	5		"	4		29.86	76	79	77	78	"	"	2	"	
8	3	5		"	3		29.87	77	80	77	78	"	"	2	"	
9	3	0		"	2		29.88	77	80	78	77	O.	"	0	"	
10	2	8		"	1		29.88	78	81	79	77	"	"	0	"	
11	1	6		"	0.1		29.89	78	81	79	77	"	"	0	"	All plain sail except
Noon.	1	0		"	0.1		29.90	79	82	80	77	"	"	0	"	fore topmast staysail.

Distance run by Log since preceding Noon — 89 knots fathoms.

Latitude by D. R. at Noon — S. 26° 31' 42"

Longitude by D. R. at Noon — W. 42° 34' 00"

Latitude by Observation at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — W. 42° 39' 42"

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Sg 615 Variation of the Compass by Azimuth ⊙ observed at S.W. Lat S. (26° 27' 36") Long W. (42° 34' 12") — 3° 30' W. "

Water expended during the preceding 24 hours — 2 50 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1650 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURES. Air Dry Bulb.	TEMPERATURES. Air Wet Bulb.	TEMPERATURES. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Units.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	1	7		N.N.W.	0.1		29.90	79	82	80	78	b.c.	Cu-Cu Nim	2	S.	All plain sail except
2	2	0		"	1		29.87	79	82	80	78	"	"	2	"	fore topmast staysail.
3	2	7		"	0.1		29.85	79	82	80	78	"	"	2	"	
4	1	8		"	0.1		29.85	78	81	79	78	"	"	1	"	
5	0	8		W.S.W.	0.1		29.84	78	81	80	78	o.f.	"	0	"	Took in main sail.
6	0	5		Calm	0		29.80	78	81	80	78	b.c.	"	1	"	
7	No	Steerageway		"	0		29.85	78	81	79	78	b.s.t.	"	1	"	
8	0	0		"	0		29.87	78	81	79	78	b.c.l.	"	1	"	Furled all sail.
9	8	0		S.W.	0.1		29.89	78	81	79	78	b.c.	"	1	"	
10	8	5		S.	3		29.92	78	79	77	78	O.	"	0	"	
11	8	0		S.S.W.	3		29.92	78	78	76	78	"	"	0	"	All fore and aft
Mid.	8	5		"	3		29.92	77	77	75	78	"	"	0	"	sails

Lat S. 26° 38' 24" Long W. 42° 47' 36"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday, December 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM Cloudy first two overcast last two hours. Moderate to stiff breeze varying from N.N.E. to N. by E. Observed morn light. On the course S.W. Morn rose at 12.15. At 3.25 set flying jib and reather clew of mainsail. Density sea water 25.

Saml C. Lyndly
Ensign

From 4 to 8 AM. Cloudy and pleasant. Stiff to gentle breeze from N. by W. On course S.W. Clouds cirrus. mixed. Heavy swell from N.E. Density sea water 25.

C. B. T. Moore
Ensign

From 8 AM. to Merid. Overcast and warm. Light breeze to light airs from N. by W. Barometer rising slowly. Sea smooth. At 9.15 inspected at quarters. Drilled Co. B. at small arms. Density sea water 25.

C. H. Curtis
Lieut.

From Merid to 4 PM. Cloudy. Warm. Very light breeze from N.N.W. Cir. cumu. clouds. At work on quarter deck awning. On the course under all plain sail except fore topmast staysail. Density sea water 25.

Saml C. Lyndly
Ensign

From 4 to 6 PM. Overcast with passing showers first hour. Cloudy last hour. Light airs varying from N.N.W to W.S.W. On the course. At 4.50 took in and furled mainsail. At 5 started fires in six boilers. Density sea water 25.

C. B. T. Moore
Ensign

From 6 to 8 PM. Cloudy and pleasant. Calm. At 6.30 mustered at quarters. At 7.30 coupled propeller. Furled sail. Started ahead under steam. Steam in six boilers Average rev. 45. Steam pressure 50 lbs. Thunder and lightning to N.E. Latter part. Density sea water 25.

C. H. Curtis
Lieut.

From 8 PM. to Mid. Overcast and pleasant. Damp. Gentle breeze from S. to S.W. At 10.30 sent down light yards. At 11 set all fore and aft sails. Steam in six boilers. Av. st. pressure 60 lbs. Rev. 48. Density sea water 25.

Saml C. Lyndly
Ensign

Mem: Please last qr dec S 8°

Examined and found to be correct.

Asa Walker,
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En route from St Helena to Monte Video, Uruguay

Hour.	Knots.	Knots Reckoned	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	8	S.W.	S.	3		29.92	76	76	75	77	b.c.	Cirrus	4	S.	All fore and aft sail.
2	9	0	"	"	3		29.88	76	76	75	77	"	"	3	"	
3	9	3	"	"	3		29.88	76	76	76	77	"	"	3	"	
4	9	5	"	"	3		29.90	76	76	75	77	"	"	4	"	
5	8	8	"	S by W.	3		29.92	76	75	74	76	"	"	3	"	Jack in flying jib and
6	8	4	"	S.	4		29.89	76	75	74	76	"	"	3	"	gaff topsail.
7	8	6	"	S by W.	3		29.92	76	75	74	75	"	"	7	"	
8	8	2	"	S.S.W.	3		29.92	76	75	74	75	"	Cumu.	9	"	
9	8	0	"	"	3		29.92	76	74	71	75	"	"	9	"	
10	8	0	"	"	3		29.92	74	74	71	74	"	"	9	"	Jack in L.J. Main gaff jib,
11	8	0	"	S.W. by S.	3		29.94	75	75	71	74	"	"	9	"	& spanker.
Noon.	8	7	"	"	3		29.94	75	76	73	74	"	"	9	"	

Distance run by Log since preceding Noon	147 knots 0 tenths reckoned.
Latitude by D. R. at Noon	S 28 · 20 · "
Longitude by D. R. at Noon	W 44 · 30 · "
Latitude by Observation at Noon ⊙	S 28 · 25 · 34 ·
Longitude by Chronometer from Forenoon Observations ⊙	W. 44 · 34 · 30 ·
Current during the time knots fms. per hour setting to the	
29.615 Variation of the Compass by Amplitude ⊙ observed at Sunrise	" · " · "
Variation of the Compass by Azimuth ⊙ observed at SAM. Lat S. 35° 2' Long W. 44 10	W 2 · 20 · "
Water expended during the preceding 24 hours	250 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	1450 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

P. M.																
1	6	4	S.W. by W.	S.W. by S.	3		29.94	76	77	74	74	b.c	Cumu.	9	S.	
2	7	5	"	"	3		29.93	76	77	74	74	"	"	9	"	
3	7	0	"	"	3		29.90	76	77	73	75	"	"	9	"	
4	7	8	"	"	3		29.93	76	77	72	75	"	"	9	"	
#5	7	5	"	"	3		29.93	76	77	72	75	"	"	9	"	
6	7	5	"	"	2		29.94	76	77	73	75	"	"	9	"	
7	7	6	"	S.S.W.	2		29.94	76	77	73	75	"	Cumu Str	9	"	
#8	8	0	"	"	2		29.96	76	75	72	75	"	Cumu.	9	"	M. T. sail - Set jib
9	8	8	"	S. by E.	3		29.99	75	74	71	75	"	"	9	"	and Spanker.
10	9	0	"	"	3		29.99	74	74	71	75	"	"	9	"	Set fore sail. Took in
11	9	0	"	"	3		29.98	73	73	70	75	"	"	9	"	fore sail.
Mid.	9	2	"	"	3		29.95	73	73	70	75	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙	" · " · "
Longitude by Chronometer from Observations *	" · " · "
Variation of the Compass by Amplitude ⊙ observed at Sunset	" · " · "
Variation of the Compass by at	" · " · "

under the command of Commander H. S. Schley, U. S. Navy,

Wednesday, December 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy. Pleasant. Gentle Sly breeze. Occasional clouds. At 2.10 set gaff topsail. At 2.45 a very brilliant meteor passed across the Eastern Heavens. Ships on the course under fore and aft sail. Steaming under six boilers. Av. st. pr. 60 lbs. Rev 55. Density sea water 25.

C. K. L. Moore
Ensign.

From 4 to 8 AM. Cloudy first two hours. Clear last two. Pleasant. Gentle to moderate breeze, varying from S. to S.S.W. On the course S.W. Steaming with six boilers. At 4.45 took in flying jib and gaff topsail. At 4.05 sighted a brigantine, standing to N.W. & E., showing no lights. Av. steam pres. 60 lbs. Rev. 53. Density sea water 25.

Wm. V. Cholley
Act. Engr.

From 8 AM. to Merid. Clear and pleasant. Gentle breeze from S.S.W., latter part S.W. by S. At 9.45 hauled down and stowed F. T. staysail & jib; trailed up spanker. At 11. took in main topsail. Av. st. pres. 60. Rev. 54. 55. 55. 52. Density sea water 25.

Saml Lyon
Ensign

From Merid. to 4 P.M. Clear and pleasant. Gentle breeze from S.W. by S. Long swell from S.W. Bar. steady. At 12.15 changed course to S.W. ½ W. Restowed the hold. Steaming with six boilers. Av. st. pres. 55. Rev. 49. Density sea water 25.

C. B. L. Moore
Ensign

From 4 to 6 P.M. Clear. Pleasant. Light S.W. by W. breeze. Occ. clouds. Ship on the course. Steaming under six boilers. Av. st. pres. 60 lbs. Rev. 48. Density sea water 25.

C. K. Lewis
Lieut.

From 6 to 8 P.M. Clear and pleasant. Light breeze from S.S.W. On the course. Steaming with six boilers. At 6.20 set main topsail. At 6.30 mustered at quarters. Av. st. pres 55. Rev. 46. 50. Density sea water 25.

Saml Lyon
Ensign

From 8 P.M. to Mid. Clear and pleasant. Gentle breeze from S by E. At 8.10 set jib and spanker. At 8.17 called to General Quarters. Engineer Div. reported ready. 8.21, Powder 8.21.15, Nav. 8.21.20, 2d 8.24, 1st 8.25. 5 in. Comdg. Officer inspected divisions at 8.45. Secured. At 9.15 set forsail. At 9.20 furled fore sail. Av. st. pres. 55 lbs. Revs. 45. 52. 48. 50. Density sea water 25.

C. B. L. Moore
Ensign

Morris please last qr obs S 11°.

Examined and found to be correct.
Asa Walker.
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d Rate, 6 Guns,

On route from St. Helena to Monte Video, Uruguay

Hour.	Knots. Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.															
1	8 5	S.W.½W.	S.by W.	3		29.99	73	71	70	70	b.c.	Cum. Strat.	9	S.	Jib, main Trysail and
2	8 4	"	"	3		29.96	73	71	70	74	"	"	3	"	spanker.
3	8 0	"	"	2		29.96	73	71	69	74	"	"	6	"	
4	8 6	"	"	1		29.96	73	71	69	74	"	"	4	"	
5	8 4	"	S.by E.	2		29.98	73	71	69	74	"	"	8	M.	
6	8 6	"	S.E.	2		30.00	72	71	69	75	"	"	9	"	Set Jib, topmast staysail,
7	8 6	"	"	2		30.00	72	71	69	75	"	"	6	"	and spanker.
8	9 0	"	"	2		30.00	72	71	69	75	"	"	8	"	
9	9 4	"	"	1.2		30.00	72	71	69	75	"	Cir. Cirr.	3	"	
10	9 6	"	"	3		30.01	72	73	70	76	"	"	5	"	
11	8 8	"	"	3		30.02	72	74	72	76	"	"	9	"	All fore and aft sail.
Noon.	8 5	"	"	3		30.02	72	74	72	76	"	"	9	"	

S 8° W 48' 4

Distance run by Log since preceding Noon	201 knots 0 tenths.
Latitude by D. R. at Noon	S 30 · 42 "
Longitude by D. R. at Noon	W 47 · 22 "
Latitude by Observation at Noon ⊙	S 30 · 36 "
Longitude by Chronometer from Forenoon Observations ⊙	W. 47 · 33 "
Current during the time knots 5 ~~fms.~~ per hour setting to the NWbyW.	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ′ ″
Variation of the Compass by Azimuth ⊙ observed at A.M. Lat S. 30°12′ Long W. 47° 3′	0° 0′ 0″
Water expended during the preceding 24 hours	270 gallons.
Water during the preceding 24 hours	"
Water remaining on hand fit for use at Noon	1150 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

Sg 603

P. M.															
1	7 0	S.W.½W.	E.S.E.	3		30.00	73	77	74	76	b.c.	Cir. Cirr.	9	S.	
2	6 6	"	E.	3		29.98	74	77	75	76	"	"	9	"	
3	6 2	"	N.	1.2		29.97	74	78	75	76	"	"	9	"	All Main sail to royals
4	6 4	"	"	1.2		29.94	74	79	77	76	"	"	9	"	except Main sail.
5	6 8	"	"	2		29.91	75	78	75	77	"	"	6	"	Took in S. jib F.T. Staysail
6	7 4	"	"	3		29.91	75	78	76	77	"	"	7	"	M. trysail, spanker and
7	7 6	"	"	4		29.90	74	75	75	77	"	"	6	"	Gaff to sail. Set all square sail.
8	8 5	"	"	4		29.88	74	76	74	77	"	"	6	"	Set spanker and gaff
9	8 8	"	"	4		29.88	74	76	74	77	"	"	8	"	topsail.
10	7 8	"	"	5		29.88	75	76	74	77	"	"	8	"	All plain sail except
11	7 0	"	"	5		29.88	75	75	73	76	b.c.l.	"	8	"	flying jib and main sail
Mid.	7 6	"	"	5		29.87	75	74	72	76	"	~~Cirr.~~	8	"	

S 31° W 48' 27"

Longitude by Chronometer from Afternoon Observations ⊙	° ′ ″
Longitude by Chronometer from Observations	° ′ ″
Variation of the Compass by Amplitude ⊙ observed at Sunset	° ′ ″
Variation of the Compass by at	° ′ ″

under the command of Commander W. S. Schley, , U. S. Navy,

Thursday December 19th , 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Light airs to gentle breeze from S. by W. Bar. steady. Sea smooth. Steaming with six boilers. Av. st. pres. 60 lbs. Rev. 58. Density sea water 25.

L. R. Loomis
Lieut.

From 4 to 8 A.M. Clear. Pleasant. Light S.S.E. breeze. Cum. nimb. Clouds. At 5.40 set flying jib, fore topmast staysail, and gaff topsail. On the course. Steaming under six boilers. Av. st. pres. 60 lbs. Rev. 58½. Density sea water 25. Moderate swell from S.E.

J. M. Forster
Lt. Comdr.

From 8 A.M. to Mid. Cloudy first hour. Clear remainder of watch. Warm. Light airs from S.S.E. On the course. Steaming with six boilers. At 9.15 inspected at quarters. Exercised Co. B. at single sticks. Av. st. pres. 55. Rev. 49. Density sea water 25.

G. B. T. Moore
Ensign

From Mid. to 4 P.M. Clear and pleasant. Light airs to light breeze from E.S.E., latter part shifting to E. then to N. At 1.15 sent up Royal and T.G. yards. At 3.00 made all plain sail to royals. At 3.30 took in spanker, gaff topsail, M. topsail, F. jib and F.T. staysail. Steaming with six boilers. Av. st. pres. 55 lbs. Rev. 46. 44. 37. 38. Density sea water 25. Sang swell from S.E. Banked fires on two boilers.

L. R. Loomis
Lieut.

From 4 to 8 P.M. Cloudy and pleasant. Light to gentle breeze from North. Bar. steady. Long heavy swell from S.S.W. On course, steaming with four boilers. Fires banked in two boilers. Distilling. Av. st. pres. 55 lbs. Rev. 38. Density sea water 25.

Sam. C. Lemly
Ensign

From 8 to 8 P.M. Clear. Pleasant. Moderate breeze from N. At 6 45 set spanker, gaff topsail, and reefed main topsail. On the course, under jibs and all plain sail, except mainsail, with main topsail reefed. Steaming with four boilers. Av. st. pres. 55 lbs. Rev. 40. Fires banked in two boilers. Distilling. Density sea water 25.

G. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Gentle to stiff breeze from North. Bar. falling slowly. At 9.30 banked fires in four boilers and uncoupled propeller. Set fore topmast staysail. Fires banked in 6 boilers. Distilling. Lightning to S. latter part of watch. Density sea water 25. By order of Comdr Affleck, master L. R. Jones was restored to duty.

L. R. Loomis
Lieut.

Moons phase last qr. sea. S 19°

Examined and found to be correct.

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6, Guns,

En-route from St. Helena, to Monte Video, Uruguay.

Hour.	Knots.	Tenths	Courses Steered.	Winds. Direction.	Force.	Leeway.	Barometer. Height in Inches.	Ther. att'd.	Temperature. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	7	4	S.W. ¼ W.	N.	5		29.80	74	75	73	73	b.o.d	Cum.	9	M.	Under M. trysail and all plain sail except flying jib Lower royals and ~~t.g.s.~~
2	7	2	"	"	5		29.77	73	74	72	73	"	"	9	"	Gaff topsail.
3	7	5	"	"	5		29.77	73	74	72	73	"	"	9	"	
4	8	2	"	"	6		29.76	73	73	72	73	"	"	9	"	
5	8	5	"	N. by W.	6-7		29.76	73	74	72	73	b.e.	Cir. Cum.	7	"	
6	8	4	"	N.N.W.	6		29.76	73	74	72	74	"	Cir. Cum.	8	"	
7	8	0	"	N.W. by N.	6		29.76	73	74	72	74	"	"	8	"	Lt royals and gaff topsail. Also in trysail and all plain sail
8	7	8	"	"	6		29	77	73	74	72	74	"	"	9	"	Set watch & jib & M. sail.
*9	7	2	"	"	5		29	77	73	74	72	74	"	"	9	"
10	5	8	"	N.W.	4.5		29	77	73	74	72	74	"	"	9	"
11	4	7	"	W.N.W.	4		29	77	73	74	72	74	"	"	9	" Took in Royals, T.G. sails
Noon.	3	5	S.W.	W. by N.	3		29	76	73	75	74	74	"	"	9	" and Fore sail.

Distance run by Log since preceding Noon	171 knots	9 tenths fathoms.
Latitude by D. R. at Noon	S 32 · 27	"
Longitude by D. R. at Noon	W. 50 · 6	"
Latitude by Observation at Noon ⊙	S. 32 · 44 · 20	"
Longitude by Chronometer from Forenoon Observations ⊙	W 50 · 9	"
Current during the time knots 7 ~~fms.~~ tenths per hour setting to the S by W.		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	' "
Variation of the Compass by Azimuth ⊙ observed at 8 AM. dat. S. 32°20' Lng. W. 49°49'	E 2° 20	"
Water expended during the preceding 24 hours	200	gallons.
Water during the preceding 24 hours	700	"
Water remaining on hand fit for use at Noon	1600	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1	6	6	S.W. ½ W.	S.W.	7		29.77	73	77	74	74	b.e.	Cir. Cum.	5	M.	
2	9	0	"	"	7		29.77	73	78	76	74	"	"	3	"	
3	8	8	"	S.W. by S.	7		29.76	73	78	76	74	"	"	1	"	
4	8	4	"	S.S.W.	7		29.74	73	79	76	74	"	"	2	"	
5	9	0	"	Calm	0		29.75	75	77	75	74	"	"	4	"	
6	9	7	"	"	0		29.76	75	76	75	74	"	"	3	"	
7	9	0	"	S.	0-1		29.73	74	74	74	74	5	Cir. Cum.	0	"	Set M. trysail.
*8	8	5	"	Calm.	0		29.74	74	74	70	74	b.d.	"	0	"	
9	8	6	"	W.	5		29.83	70	73	72	74	"	"	0	"	Took in Main trysail and M. T. sail
10	8	2	"	"	0		29.74	70	73	72	70	"	"	0	"	Set jib and Spanker
11	9	0	"	"	3		29.78	73	73	72	70	b.d.	Cir. Cum.	6	"	Took in jib Spanker and
Mid.	8	6	"	"	2		29.75	73	73	72	70	"	"	6	"	M. trysail

Longitude by Chronometer from Afternoon Observations ⊙	°	' "
Longitude by Chronometer from Observations *	°	' "
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander H. L. Schley, U. S. Navy,

Friday, December 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear. Damp. Stiff to fresh N½ breeze. Cum. Cirds. Heat lightning to the N. and N. by E. At 12.30 took in royals and gaff topsail. On the course, under main trysail and plain sail to T.G. sails, except mainsail. At 1.45 Mumrose. Fires banked in six boilers. Distilling. Density sea water 25.

L. P. Jewett
Master

From 4 to 8 AM. Clear and pleasant. Fresh breeze from N. by W. shifting to N.W. by N. Ship on the course N.W. by N. At 6.15 set royals and gaff topsails. Sea moderate. Fires banked in six boilers. Distilling. Density sea water 25.

Saml Lemly
Ensign

From 8 AM. to Mid. Clear and pleasant. Stiff to gentle variable breeze shifting from N.W. by N. to W. by N. At 9.15 Exercised at fire quarters, immediately after inspected divisions at quarters. Overhauling torpedo apparatus and testing connections. At 11.30 furled royals. At 11.55 furled T.G. sails and foresail. Density sea water 25. Fires banked under six boilers. Distilling.

C. B. T. Moore
Ensign

From Mid. to 4 PM. Cloudy and pleasant. Gentle breeze from S.W. to S.S.W. Bar. falling slowly. At 12.15 changed course to S.W. ½ W. At 12.15 furled topsails and started ahead ~~under~~ full speed. Steam in six boilers. Sent down royal yards & scrubbed ~~ing~~ & flushed spars. Av. st. pres. 60 lbs. Rev. 57. Density sea water 25.

C. K. Curtis
Lieut.

From 4 to 6 PM. Cloudy. Hazy. Calm. On the course. Steaming under six boilers. Av. st. pres. 60 lbs. Rev. 54.

L. P. Jewett
Master

From 6. to 8 PM. Overcast. Pleasant. Calm and light airs from S. On the course S.W. ½ W. Steaming with six boilers. At 6.40 set main trysail. At 7.55 got cast of deep sea lead, no bottom at 50 fms. Av. st. pres. 60 lbs. Rev. 52. Lightning to N. & W. last hour. Bent bridle over chains. Distilling.

Saml Lemly
Ensign

From 8 PM. to Mid. Overcast. Letter fore & clear and pleasant. Stiff to light breeze from W. Continuous flashes of lightning in S.W. horizon. ~~At 9 set jib and spanker.~~ At 11.30 took in jib, spanker and main trysail. Density of sea water 25. Steaming. Average pressure 60 lbs. Revs. 47. 52. 54. 54. At 10 cast the deep sea lead, no bottom at 50 fms. At 12. made another cast, no bottom at 50 fms.

C. B. T. Moore
Ensign

Moon's phase last q. Dec. 3 23h.

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

En-route from St. Helena, to Monte Video, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	9	7	S.W. ½ W.	S. by E.	1		29.73	75	72	71	70	b.c.l.sw.	Cum. Nim.	9	S.	
2	10	0	"	"	1		29.74	73	72	71	70	"	"	9	"	
3	8	0	"	"	1		29.75	71	72	71	70	"	"	4	"	
4	8	8	"	"	1		29.75	73	72	71	70	"	"	9	"	
5	8	0	"	"	2		29.75	71	71	69	70	b.c.m	"	9	"	
6	7	8	S.W. by W.	"	2		29.77	70	71	69	70	"	"	9	"	
7	7	4	"	S. W.	5		29.78	69	68	67	70	f*	—	-	"	
8	4	5	S.W. ½ W.	S.W. by S.	5		29.78	67	64	64	70	"	—	-	"	
9	4	2	S.W. by W.	"	3		29.80	66	65	65	70	b.c.f.	Cum.	2	"	Let main topsail.
10	6	0	S.W. by W. ½ W.	"	2		29.81	67	66	66	70	"	Cir. Cum.	4	"	
11	7	7	W. S.W. ½ W.	S.S.W.	3		29.80	66	66	66	70	b.c.z.	"	9	"	Let jib and spanker.
Noon.	9	0	"	"	3		29.79	66	68	68	70	"	"	9	"	

Distance run by Log since preceding Noon	92 knots	5	~~metric~~ Kilometers.
Latitude by D. R. at Noon	S 34 ° 26 '		"
Longitude by D. R. at Noon	W. 53 ° 22 '		"
Latitude by Observation at Noon ⊙	S 34 ° 24 '	30	"
Longitude by Chronometer from Forenoon Observations ⊙	W 53 ° 21 '		"
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° '		"
Variation of the Compass by Azimuth ⊙ observed at 9 30 A.M. Lat. S. 34° 20' Long. W. 52° 59	6 6 ° 30 '		"
Water expended during the preceding 24 hours	300		gallons.
Water Condensed during the preceding 24 hours	200		"
Water remaining on hand fit for use at Noon	1600		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.															
1	7 / 6	1 / 4	W.S.W. ½ W. / S.W. by W.	S by W.	3		29.80	69	70	69	70	b.c.	Cir. Cum	9	S.	
2	8	8	"	"	3		29.77	70	70	69	70	"	"	9	"	
3	9	4	"	"	3		29.75	71	70	70	70	"	"	9	"	
4	4	8	S.W. ½ W.	"	2		29.70	71	73	70	70	"	"	8	"	
5	8	4	"	"	2		29.76	71	73	70	70	"	"	9	"	Let in jib, spanker and
6	8	8	S.W. ½ W	"	3		29.71	71	75	73	70	"	"	9	"	main topsail.
7	9	4	"	N. E.	5		29.70	71	70	70	73	"	"	8	"	Let Foresail.
8	6	6	"	N.	5		29.69	71	73	73	70	"	"	8	"	
9	8	4	"	N.N.W.	3		29.70	72	74	78	73	b.c.l.	Cum. Nimb	6	"	M. Took in fore sail
10	3 / 4	8 / 4	W. 5/8 S.	S.W.	7-9		29.73	72	72	70	73	"	"	4	"	
11	7	8	W. ½ S.	S.S.W.	4-7		29.73	71	72	70	73	b.c.l.h.	"	2	"	
Mid.	8	4	"	"	3-5		29.71	71	72	70	73	o.c.	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	° '		"
Longitude by Chronometer from Observations	° '		"
Variation of the Compass by Amplitude ⊙ observed at Sunset	° '		"
Variation of the Compass by at	° '		"

under the command of Commander W. A. Schley, U. S. Navy,

Saturday, December 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from S.W. by S. Bar. rising slowly. Sea smooth. Course S.W. ½ W. Steaming with six boilers. At 2 got a cast of deep sea lead in 33 fms. water. Bottom blue mud and fine sand. At 4 got a cast in 20 fms. bottom blue mud. Moon rose at 2.33. Av. st. pres. 57 lbs. Rev. 57. Density sea water 22.

L. K. Lewis
Lieut.

From 4 to 8 A.M. Clear. Pleasant 1st part. Foggy. Stiff S.W. ½ breeze latter part. At 5 changed course to S.W. by W. At 7 changed course to S.W. ½ W. Got three casts of deep sea lead last hour of watch 20, 28 and 21 fms. Steaming under six boilers. Distilling. Av. st. pres. 55 lbs. Rev. 45. Density of sea water 22.

L. P. Jewett
Master

From 8 A.M. to Mid. Cloudy and foggy first two hours. Clear and hazy last two. Gentle breeze from S.W. by S. and S.S.W. Steaming with six boilers. At 9.10 set main topsail. At 10.40 set jib and spanker. At 8.05 changed course to S.W. by W. At 9 to S.W. by W. ½ W. At 10 to W.S.W. ½ W. Got casts of lead at 8.30, 9, 10, and 12. Bottom at 36 fms. first three casts. Bottom black mud. Last cast 13 fms. Bottom sand. Av. st. pres. 61 lbs. Rev. 47. Distilling. Density sea water 22. At 12. stopped distiller. Changed course to S.W. by W. ½ W.

Saml Seguly
Ensign

From Mid. to 4 P.M. Clear and pleasant. Gentle to light breeze from S. by W. At 12.15 changed course to S.W. by W. At 12.45 sighted land on weather bow. At 3.17 sighted St. Mary's light house ahead. At 3.30 changed course S.W. ½ W. Saw land to leeward in sight during watch. Two sails in sight bearing 3 points forward weather beam, and two points on weather bow. Steaming. A Boffin Av. st. pres. 60 lbs. Rev. 48. 52. 53. 54. Density sea water 22. Hazy about horizon.

C. B. T. Moore
Ensign

From 4. to 6 P.M. Clear and pleasant. Light to gentle breeze from S. by W. Sea smooth. Steaming with six boilers. Sand on stbd. beam. Several sails in sight. Got the anchors ready for letting go. Engaged in preparing ship for port. At 5.50 set fore sail. Av. st. pres. 60. Rev. 52. Density 22. - Changed course at 5 to S.W. ½ W. At 5.45 Ntn. light bore (p.c.) N. ½ W.

L. K. Lewis Lieut.

From 6. to 8 P.M. Clear. Stiff breeze from N.E. shifting to N. Cir. cum. clouds. At 6.15 sighted St. Ignacio light (b.c.) At 7.55 sighted East Point light (p.c.) W. ½ S. Steaming under six boilers. Av. st. pres. 60 lbs. Rev. 54. At 8 P.M. St Ignacio light bore (p.c.) S.W. ½ W. East point (p.c.) W. ½ S. Density 17.

L. P. Jewett
Master

From 8 P.M. to Mid. Cloudy. Squalls. Gentle breeze from W.N.W. first hour. At 9.20 wind suddenly shifted to S.W. and commenced to blow a fresh gale, veering at towards end of watch. Vivid lightning with occasional thunder. At 9. 20 last sight of Punta Pedras light bearing (p.c.) N.N.W. At 9.25 changed course to W. ½ S. At 10 to W. ½ S. At 12 Maldonado light bore N.E. by E. ½ E. Steaming with six boilers. Av. st. pres. 60 lbs. Rev. 44. At 8.45 took in fore sail.

Saml Seguly
Ensign

Moon's phase last qr. Dec. 8. 26h

Examined and found to be correct.

Reed Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate, 6 Guns,

En-route from St. Helena, and at Monte Video Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8		S. S W.		1		29.78	70	69	68	73	o. dl.	Cu. Cu. Nb.	0	S.	
2	8		"		1		29.77	70	68	67	72	bc.	"	4	"	
3	8		"		1		29.77	70	68	67	73	bcl.	"	4	"	
4	8		"		1.4		29.79	70	68	67	73	old.	"	0	"	
5	Standing in for		"		3		29.78	70	68	64	73	bc.	"	8	"	
6	Montevideo.		"		4		29.79	70	67	64	73	"	"	6	"	
7	At anchor		"		4		29.81	70	68	65	73	"	"	8	"	
8			"		5		29.81	70	68	65	73	"	"	8	"	
9	Underway, standing for Patterson harbor.		S W.		5		29.81	68	68	65	-	"	"	8	M.	
10	Moored.		"		5		29.80	68	68	65	-	"	"	8	"	
11	S. W.		"		5		29.82	68	68	65	-	"	"	8	"	
Noon.	W.		"		5.6		29.82	68	68	65	-	"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	200		gallons.
Water [illegible] during the preceding 24 hours	550		"
Water remaining on hand fit for use at Noon	1200	1750	"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.											
1	S. S. E.	S. S W.	5.6	29.82	70	70	66	-	bc. gr.	Cu. Cu. Nb.	6	M.	
2	"	"	4.5	29.82	70	72	67	-	"	"	7	"	
3	"	"	5.6	29.78	70	72	67	-	"	"	7	"	
4			5-7	29.78	70	70	66	-	"	"	5	"	
5	S. S. E	S. S. E.	6	29.78	71	68	65	-	"	"	5	"	
6			5.6	29.79	69	67	65	-	bc. gr.	"	3	"	
7	S. E by S.	S. E. by E.	5.7	29.78	68	67	65	-	"	"	2	"	
8			5.7	29.78	68	67	65	-	"	"	1	"	
9	S. by E.	S. S. E.	5.7	29.78	66	65	62	-	beg. r.	"	1	"	
10	"	"	3.5	29.79	66	64	62	-	"	"	1	"	
11	"	"	4.6	29.79	66	64	62	-	bc. gr.	"	8	"	
Mid.	S.	S.	5.6	29.79	66	64	62	-	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations	°	′	″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Sunday, December 22d, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast. Drizzling rain first and last hour, remainder clear and pleasant. Light airs to moderate breeze from S.E. & W. At 1 changed course to W.½N. At 2.15 made Flores revolving light, bearing N.N.W.½W. At 2.35 made Eng Bank light bearing S.W.by W.½W. At 3.05 made Monte light, right ahead. At 4 Flores light bore N.W.¼N. Eng Bank light bore S.½E. Steaming - Av. st. pres. 55 lbs. Rec. 46.5. First part of watch considerable lightning about horizon - occasional during remainder of watch. Density sea water 22 -

C. B. T. Moore
Ensign

From 4 to 8 AM. Clear and pleasant. Moderate to stiff breeze from S.E. & W. Steaming with six boilers. Standing in for Montevideo, under direction of Comdg. Officer. At 6.47 came to anchor off Montevideo in 4 fms. water veering to 30 fms. first chain at water's edge. Draught of water Forward 13.7. Amidships 14.8½. Aft 15.10. At 7.30 made our number. "Hartford" answered. Made interrogative signal 12 11. "Hartford" answered 9 0 4.

Health Officer came alongside and granted pratique. Banked fires.

L. K. Leutze
Lieut.

From 8 AM. to Mid. Clear and pleasant. Stiff to fresh breeze from S.W. At 9.10 called all hands. Hove up first anchor, and stood further up harbor. At 9.50 let go first anchor. 9.55 let go 2d anchor. At 10 moored ship in three fms. water 25 fms. on each chain. Lobos Point bore W. by S. Monte Video N.N.W. At 10.45 made following signals to "Hartford" 2077. 9. 4892. 4030. 3854. Numl. 2. 1854. At 11 "Hartford" answered 9 0 4. Broke out sheet anchor, secured it on port bow. bent sheet chain. At 10.40 hauled fires from under four boilers. Distilling with steam under two boilers.

C. B. T. Moore
Ensign

From Mid. to 4 PM. Cloudy and pleasant. Squally. Moderate to very fresh breeze from S.W. Bar. falling. Sea moderate. Fires banked in two boilers. Distilling.

L. K. Leutze
Lieut

From 4 to 8 PM. Cloudy, wet and disagreeable. Stiff to very fresh breeze from S.S.E. to S.by E. Squally. Sent down main topsail yard and mast covers. Distilling.

C. B. T. Moore
Ensign

From 8 PM. to Mid. Cloudy first part of watch with rain and lightning. Clear and cool latter part. Squally. Gentle to very fresh breeze from South to E.S.E. Barometer steady. Sea moderate.

L. K. Leutze
Lieut.

Moon's phase last qr. Dec. 8 27°

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.W.by W.	S.by W.	5.7		29.7	65	63	62		b.c.q.	Cir. Cum.	4	M.	
2			"	"	5.7		29.77	65	63	62		"	"	4	"	
3			"	"	5.7		29.76	65	63	62		"	"	5	"	
4			"	"	5.7		29.76	64	63	62		"	"	4	"	
5			"	"	5.6		29.78	63	63	61		"	"	5	"	
6			"	"	5.6		29.79	63	62	60		"	"	5	"	
7			"	"	5.6		29.80	63	62	60		"	"	6	"	
8			"	"	5.6		29.80	63	63	61		"	"	5	"	
9			S.	S. W.	4.5		29.81	63	63	61		b.e.	"	5	"	
10			S.S.W.	S.S.W.	3-4		29.82	65	63	61		"	"	7	"	
11			"	"	3.4		29.83	66	63	61		"	"	8	"	
Noon.			S.W.by S.	S.W.by S.	3-4		29.84	67	64	61		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observation at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water [illegible] during the preceding 24 hours 550 "

Water remaining on hand fit for use at Noon 2100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	S.W.by S.	S.W.by S.	3-5		29.83	66	65	62	b.e.	Cir. Cum.	9	M.	
2	S.S.W.	S.S.W.	3-4		29.83	66	66	63	"	"	9	"	
3	"	"	3-4		29.83	66	66	64	"	"	8	"	
4	"	"	3-4		29.83	67	67	65	"	"	9	"	
5	S.	S. by W.	2		29.81	67	67	65	b.	None	10	d	
6	S.S.E.	"	2		29.81	68	67	65	"	"	10	"	
7	S.S.E.	S.S.E.	1		29.81	67	67	65	"	"	10	"	
8	"	"	1		29.81	67	67	65	"	"	10	"	
9	S.E.by S.	S.E.	1		29.81	67	67	65	b.e.	Cir. Cum.	9	"	
10	E.	N.	1		29.81	67	67	65	"	"	9	"	
11	N.E.	"	1		29.81	67	68	64	"	"	9	"	
Mid.	E.N.E.	N.N.W.	1		29.82	68	67	64	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Monday, December 23d, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear, cool, and pleasant. Stiff to my fresh breeze blowing in squalls from S by W. Distilling.

G. B. T. Moore
Ensign

From 4 to 8 AM. Clear. Cool. Fresh Stf breeze Cir. Cum. clouds. At 7.30 Flagship made genl. signal 3350. Jas. Hackett (O.S. 2d Cl.) placed in single irons to await trial by Court Martial. Fires banked. Distilling. Two English Steamers came in.

L. P. Jouett
Master

From 8 AM. to Mid Clear and pleasant. Cool. Gentle to stiff breeze from S & W of W. Bar. rising slowly. At 8 made tel. sig. to "Hartford" 0879. 3508. 6807. 4204. 5123. 6159. Hartford answered 1860. 6686. 0009. 8120. Scrubbed ships outside. An Italian Officer called officially on Comdg. Officer. Fires banked in two boilers. Distilling.

G. K. Curtis
Lieut.

From Mid. to 4 PM. Clear. Gentle to moderate breeze from S & W. Cir. Cum. clouds. At 3.30 Flagship made genl. sig. 2934 Answered. Unbent flying jib and goff topsail and stowed them below. Fires banked in two boilers. Distilling.

L. P. Jouett
Master

From 4 to 8 PM. Clear and Pleasant. Light airs to light breeze from Stf W. to S.S.E. Barometer steady. Fires banked in two boilers. Distilling.

G. K. Curtis
Lieut

From 8 PM. to Mid Clear. Cool. Light breeze from S by E. shifting to N. Ship swinging to Starboard. ~~Fires banked in two boilers. Distilling.~~ Bright Starlight. Grass in hawse, port chain on top. By order of Comdg. Officer W. H. Hosmer (A.C.) stood his extra watch. Hauled fires at 8.20.

L. P. Jouett
Master.

Recruits Played 1st yr see 8 26

Examined and found to be correct.

Asa Walker.
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d. Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.	N.	2		29.76	65	61	60		b.	None	10	S.	
2			"	"	2		29.75	65	60	59		"	"	10	"	
3			"	"	2		29.75	65	61	60		"	"	10	"	
4			"	"	2		29.75	64	61	60		"	"	10	"	
5			N. by W.	"	3		29.76	64	62	60		b. c.	Cum. Str.	9	"	
6			"	N. N. W.	3		29.78	64	63	61		"	Cum.	9	"	
7			N. N. W.	"	4		29.78	65	64	62		b.	None	10	"	
8			N. by W.	"	4		29.79	66	67	64		"	"	10	"	
9			N. W.	"	4		29.79	69	71	68		"	"	10	"	
10			"	N. W.	5		29.79	72	76	72		b. c.	Cir. Cum.	9	"	
11			"	N. N. W.	5		29.77	78	81	73		"	"	9	"	
Noon.			"	W by N.	5		29.76	76	81	74		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ☉	°	′ ″
Longitude by Chronometer from Forenoon Observations ☉	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ☉ observed at	°	′ ″
Water expended during the preceding 24 hours	300	gallons.
Water received during the preceding 24 hours	1100	"
Water remaining on hand fit for use at Noon	2900	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			W. by N.	W. by S.	4		29.76	76	81	74		b. c.	Cir. Cum.	9	S.	
2			N. N. W.	"	4		29.75	75	82	76		"	"	9	"	
3			N.	N. N. W.	3		29.75	79	82	76		"	"	9	"	
4			N. W. by W.	"	2		29.76	79	81	76		"	"	4	"	
5			W.	S. W.	3		29.60	78	83	78		"	"	5	"	
6			N. N. W.	N. W.	4		29.69	78	83	78		"	"	8	"	
7			"	"	3		29.67	78	82	78		"	"	8	"	
8			N.	"	2		29.67	78	81	78		"	"	8	"	
9			S. by E.	N. by W.	2		29.72	75	78	75		"	"	7	"	
10			S. E.	N. W.	3		29.73	74	76	74		"	"	6	"	
11			S by E.	N. N. W.	2		29.76	74	76	74		"	"	4	"	
Mid.			N. N. W.	"	3		29.75	74	76	74		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday, December 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends til 8 AM. Clear cool and pleasant. Light breeze from North. Bar. steady last three hours of watch. Cross in Lawse, port chain on top. Fires banked in two boilers.

L. R. Lenton
Lieut

From 4 to 8 AM. Clear cool and pleasant. Gentle to moderate breeze from N. N. W. At 7.25 Flagship made sig. 3350. Answered. At 7.45 made sig. 1353. Flagship answered sig. At 7.55 Flagship made sig. 3873. Answered. Received 12 gals. Linseed oil. Received fresh provisions for crew. Cross in Lawse, port chain on top.

Saml Lyndsey
Ensign

From 8 AM. to Merid. Clear. Warm. Moderate breeze from N. N. W. shifting to the W. Am Officer from "Volage" called officially on Comdg. Officer. Comdg. Officer paid official calls to the foreign Men of War in harbor. Engaged painting ship outside. Cross in lawse, port chain on top. Received 110 gals. fresh water.

D. L. Jewett
Master

From Merid. to 4 PM. Clear and pleasant. Moderate to light breeze from W. by S. and W. S. W. Comdg. Officer of Italian Man of War "Governolo" called on Comdg. Officer. H. M. S. "Avon" came in. Clear Lawse. Engaged in painting ship. Cleared Lawse of an elbow.

Saml Lyndsey
Ensign

From 4 to 8 PM. Clear. Warm. Gentle breeze from S. W. shifting to N. and W. Cir. cum. clouds. Clear Lawse.

D. L. Jewett
Master

From 8 PM. to Mid. Clear, cool, and pleasant. Light to gentle breeze varying from N. by W. to N. N. W. Elbow and cross in Lawse.

Saml Lyndsey
Ensign

Meridisphere 1st Yr. Dec. 9, 28

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Casey", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W.	N. W.	3.4		29.74	76	74	73		b. c. r.	Cir. Cum.	6	S.	
2			N.	"	3.5		29.73	76	75	73		"	"	6	"	
3			N. by E.	"	3.4		29.72	76	75	73		"	"	5	"	
4			N. W.	"	3		29.70	74	72	70		"	"	6	"	
5			N. by W.	"	3		29.74	77	70	68		b.	"	6	"	
6			N. W.	"	3		29.77	71	71	69		"	"	4	"	
7			N. W. by W.	"	3.4		29.78	71	71	69		"	"	5	"	
8			N. W.	"	4.5		29.78	73	71	70		"	"	2	"	
9			N. W. by N.	"	4.7		29.80	75	78	75		"	"	4	"	
10			W. by N.	W. by N. W.	4.6		29.82	76	77	75		"	"	5	"	
11			N. W. by W.	W.	4		29.80	76	77	75		"	"	9	"	
Noon.			N. by E.	"	3		29.80	76	78	76		"	"	3	"	

P. M.																
1			N. W. by W.	W.	2.3		29.78	76	77	75		b. c.	Cir. Cum.	2	S.	
2			W. N. W.	"	2.0		29.77	75	77	75		"	"	2	"	
3			N. W.	"	2		29.72	75	78	76		"	"	2	"	
4			N. N. W.	"	2		29.72	75	78	76		"	"	2	"	
5			"	E. S. E.	1		29.71	75	78	76		"	"	5	"	
6			"	Calm	0		29.70	79	80	76		"	"	7	"	
7			N. E.	N. E. by E.	1		29.70	78	80	76		"	"	8	"	
8			W. N. W.	Calm	0		29.70	79	79	76		"	"	8	"	
9			S. by E.	"	0		29.70	76	78	75		"	"	8	"	
10			N. E.	N.	0-1		29.70	75	78	76		"	"	7	"	
11			"	"	1.0		29.70	75	77	74		"	"	7	"	
Mid.			E.	"	0.5		29.70	73	76	73		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° — ′ — ″

Longitude by D. R. at Noon — ° — ′ — ″

Latitude by Observation at Noon ⊙ — ° — ′ — ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° — ′ — ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° — ′ — ″

Variation of the Compass by Azimuth ⊙ observed at — ° — ′ — ″

Water expended during the preceding 24 hours — 350 — gallons.

Water — during the preceding 24 hours — ″

Water remaining on hand fit for use at Noon — 25-50 — ″

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — ″ — ″

Longitude by Chronometer from Afternoon Observations ⊙ — ° — ′ — ″

Longitude by Chronometer from Observations * — ° — ′ — ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° — ′ — ″

Variation of the Compass by — at — ° — ′ — ″

under the command of Commander N. S. Schley, U. S. Navy,

Wednesday December 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear. Cool. Moderate breeze from N. W. blowing in gusts & occasional clouds. At 3.50 a Spanish gunboat came in. Blew in hawse.

E. P. Mott
Master

From 4 to 8 AM. Cloudy. Pleasant. Gentle to fresh breeze from N. W. Barometer rising. Sea smooth. A Spanish gunboat came in and anchored. Cleared hawse. At 7.30 Flagship made 3 bells. At 7.45 (Mast) Mitoy. 6144. Flagship answered and made 9 of 4. And at 8.00 crossed 7 & 9 fathoms.

C. B. T. Moore
Ensign

From 8 AM to Merid. Cloudy and pleasant. Fresh to gentle breeze from N.W. shifting to W. Barometer falling slowly. House clear.

Saml Lindsey
Ensign

From Merid. to 4 PM. Cloudy. Pleasant. Gentle to light breeze from W. Barometer falling. Sea smooth. At 3.20 German Frigate "Albert" fired salute of 13 guns. Germany flag at the fore. Crew in hawse. Mst. Chain on top. Transferred Henry Mullens (CS) to the U. S. Flagship Hartford.

C. B. T. Moore
Ensign

From 4 to 8 PM. Clear and pleasant. Calms and light variable airs. Barometer steady. House clear.

Saml Lindsey
Ensign

From 8 PM to Mid. Clear and pleasant. Calm first hour. Light airs from N. increasing to fresh breeze at end of watch. Barometer steady. Sea smooth. At 10.30 Mail steamer came in and anchored. Crew in hawse, port chain on top.

C. B. T. Moore
Ensign

Moon's phase 1st qr. Dec. S 20°

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.	N.N.W.	4		29.72	78	76	72		b.c.l	Cir. Cum	9	S.	
2			N.N.W.	"	3.5		29.72	78	76	70		"	"	9	"	
3			N.W.	N.W.	2		29.72	76	74	70		b.c.	"	9	"	
4			N.	"	2		29.72	76	72	70		"	"	8	"	
5			N.N.W. by W.	N.	2		29.65	75	72	69		0	"	0	"	
6			S.S.W.	N. by E.	1		29.69	72	72	70		b.c.	"	1	"	
7			"	S.E.	2		29.69	73	73	71		"	"	2	"	
8			S.	"	2		29.70	74	74	73		"	"	2	"	
9			S.S.E.	"	2.3		29.70	74	75	73		"	"	2	"	
10			S.E. by E	E.	3.4		29.70	75	76	73		"	"	4	"	
11			"	E.S.E.	3.4		29.67	75	77	74		"	"	3	"	
Noon.			S.E.	S.E. by E	3.4		29.65	76	78	75		"	"	3	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	2250	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S.E. by S.	S.E.	2		29.65	76	77	75		0	Cir. Cum.	0	S.	
2			S.W. by W	S. by W.	2.5		29.65	75	74	72		"	Cum. Nim.	0	"	
3			S.	S.	3.5		29.65	72	71	70		S.V.	"	0	"	
4			S.S.E.	S.S.E.	3.4		29.65	70	70	69		"	"	0	"	
5			S.	S.	3.4		29.65	72	71	69		"	"	0	"	
6			S.S.W.	W.	2.3		29.60	72	71	69		"	"	0	"	
7			N.W.	N.	2.3		29.65	71	71	70		"	"	0	"	
8			"	"	2.3		29.69	70	71	70		"	"	0	"	
9			"	"	1		29.70	70	70	69		b.a.	Cum. Nimb	9	"	
10			S.	N by W.	1		29.70	70	70	69		S.l.	"	9	"	
11			S.S.E.	N.W.	2		29.70	69	70	69		b.c.	"	1	"	
Mid.			"	W.S.W.	2		29.71	69	71	70		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander W. A. Schley, , U. S. Navy,

Thursday, December 26th, , 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Light to moderate breeze from S. S. W. and S. W. Lightning to S. & W. Bar. steady. Hawse clear. Crossed in hawse, port chain on top.

Danl Speelf
Engr

From 4 to 8 AM. Cloudy and pleasant. Hawse. Light airs to gentle breeze from W. and S. by E. first two hours, and from S. E. last two hours of watch. Bar. rising slowly. At 7.20 made intery. sig. 5455. Hartford answered & set. Loosed sail at 8. Elbow in hawse, port chain on top.

Lt. K. Lewis
Lieut.

From 8 AM. to Merid. Warm and partially overcast. Gentle to moderate breeze from E. to S. E. by E. Cir. cum clouds. At 9.15 inspected at quarters. By order of Comdr. confined John L. King (B. Mate) and Chas. Kelly (L. Sea) to the berth deck for fighting. Com'dg. Officers of Brazilian ship "Amazonas" and Spanish Corvette "Colon" paid official visits to Comdr. Italian Corvette "Governolo" left the harbor at noon. Hawse clear.

C. B. T. Moore
Ensign

From Merid. to 4 PM. Overcast and rainy. Light to stiff breeze shifting from S. E. to S. by W. Barometer [illegible] Applied 2 dg. for 0.5 inches 5.32 commenced to rise latter part of watch. Made sig. to "Hartford" by Army code. Permission is requested to shift fore topsail. "Hartford" answered, permission given. Shifted the fore topsail. Clear hawse

Lt. K. Lewis
Lieut

From 4 to 8 PM. Cloudy. Rainy. Light to moderate breeze from S. W. & N. Bar. rising. Sea smooth. At 6.20 Flagship made prep. sig. 2985. Answered.

C. B. T. Moore
Ensign

From 8 PM. to Mid. Clear first and last hours of watch. Cloudy rest of watch. Light breeze from N. W. to W. S. W. Barometer commenced to rise latter part of watch. Sea smooth. Hawse clear.

Lt. K. Lewis
Lieut

Mess's please 1st Qr Dec. $15.

Examined and found to be correct.

Rad Walker,
Lt.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 8th Rate, 6 Guns,

Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. S. E	S.	2-3		29.71	70	72	70		b.c.	Cir Cum	7	S.	
2			S. E	"	2-4		29.72	70	72	70		"	"	7	"	
3			"	"	2-3		29.74	70	71	70		"	"	7	"	
4			S. S. E.	"	2-3		29.74	70	71	70		"	"	7	"	
5			S	S.W.	1-2		29.74	73	70	70		"	"	6	"	
6			W.S.W.	W.	1-2		29.76	73	71	70		"	"	5	"	
7			S.S.W	N.W.	1-2		29.78	78	71	70		"	"	5	"	
8			S E	N.	1		29.82	73	72	70		"	"	5	"	
9			S	W.	1		29.79	71	74	72		b.c.r	Cum Nimb	2	"	
10			"	"	3-4		29.79	71	72	70		b.c.r.h	"	1	"	
11			"	S. S E.	3-4		29.80	68	68	67		b.c.	"	1	"	
Noon.			S. S. E.	"	3-4		29.80	68	68	67		"	"	1	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observation at Noon ☉ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ☉ — ° ′ ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ☉ observed at — ° ′ ″

Water expended during the preceding 24 hours — 250 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2000 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.			S													
1			S S E	S.S.E.	5-6		29.82	70	68	66		b.c	Cir Cum	8	M.	
2			"	"	5-6		29.84	70	68	66		"	"	6	"	
3			"	"	5-6		29.84	69	67	66		"	"	8	"	
4			"	"	5-6		29.84	68	67	66		"	"	8	"	
5			S Eby S.	S Eby S.	5-6		29.85	67	65	63		"	"	8	"	
6			"	"	4-5		29.87	67	65	63		"	"	5	"	
7			"	S.S.E.	4-5		29.89	67	65	63		"	"	3	"	
8			S E by E	"	4-5		29.91	66	64	63		"	"	4	"	
9			S S E	"	4		29.94	66	64	62		"	"	7	"	
10			"	"	2-3		29.94	66	64	63		"	"	9	"	
11			"	"	1-2		29.95	66	64	63		"	"	9	"	
Mid.			S Eby S.	Calm	0		29.95	66	63	63		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ′ ″

Longitude by Chronometer from Observations — ° ′ ″

Variation of the Compass by Amplitude ☉ observed at Sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Commander W. S. Schley, U. S. Navy,

Friday, December 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear. Cool. Light to moderate breeze from S. Bar. rising. Sea smooth. Clear hawse.

C. B. Todd Howe
Ensign

4 to 8 AM.

Clear. Pleasant. Light variable breeze. Cir. cum. clouds. Large German Steamer came in. Royal Mail Steamer came in. Rec'd on board fresh beef and vegetables for crew. At 7h 40m made sail 5405. Flag ship answered and made general signal 904. At 8 loosed sail. Clear hawse. Current setting to NS 0.6 knots.

L. P. Jewett
Master

8 AM. to Meridn.

Cloudy and pleasant. Light airs first part from West, increasing to moderate breeze and shifting to SSE. Barometer rising slowly. At 9 called to quarters and served out clean hammocks. Hail steamer at 10. — By order of Comdg Officer Thos W. Hackett was rated from LS to Armorer from this date inclusive. At 11 a Board of survey consisting of Lieut E.S. Houston, Lieut C.K. Curtis and Gunner J.R. Wilson met on board to survey articles in Ordnance dept. A Board of survey consisting of Lieut. E.S. Houston, Lieut W. P. Kay and Lieut. C.K. Curtis met on board to survey articles in Navigation dept. A Board of Survey consisting of Lieut. E.S. Houston, Lieut C.K. Curtis and Boatswain Robt Underwood met on board to survey articles in Equip't Dept. — Clear hawse —

C. K. Curtis
Lieut.

Merid to 4 PM.

Clear & pleasant, Blowing a stiff SSE. breeze. Moderately rough sea. Sent liberty party on shore. At 2h 20m Flagship made gen'l signal 6222, Amid. We made 4363. Flag ship Anvil and made gen'l sign'l 904

L. P. Jewett
Master

4 to 8 PM.,

Cloudy, cool, pleasant. Moderate to fresh breezes from SSby S to SSE. Barometer rising, Sea Moderate. Clear hawse.

C. K. Curtis
Lieut.

8 PM. to Mid.

Clear & cool. Gentle SSE. breeze dying out toward end of watch. Cir. cum clouds at 10h 00m moon set. Bright starlight. Clear hawse

L. P. Jewett
Master.

Moon's phase 1st Qr dec S 10°

Examined and found to be correct.

Chas Watson
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Harbor of Montevideo, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S & by S	Calm	0		29.93	67	63	63		3	none	10	S.	
2			S SW	"	0		29.93	66	63	63		"	"	10	"	
3			WNW.	NNW.	2		29.92	65	60	60		"	"	10	"	
4			WSW.	"	2		29.92	64	60	60		"	"	10	"	
5			NNW.	NW.	3		29.92	64	58	58		3 c.	Cumulus	9	M.	
6			WNW.	"	2		29.93	63	57	54		"	Cum	9	"	
7			SW by W	"	2		29.94	63	60	60		"	"	9	S	
8			W	"	2		29.95	65	63	63		"	"	9	"	
9			SW.	W.	3		29.95	66	66	65		"	"	9	"	
10			S	"	4		29.94	68	68	67		"	"	9	"	
11			S S E.	"	4		29.93	69	72	70		"	"	9	"	
Noon.			"	"	4		29.92	70	74	72		"	"	9	"	

Distance run by Log since preceding Noon		knots	fathoms.
Latitude by D. R. at Noon		°	′ ″
Longitude by D. R. at Noon		°	′ ″
Latitude by Observation at Noon ☉		°	′ ″
Longitude by Chronometer from Forenoon Observations ☉		°	′ ″
Current during the time	knots fms. per hour setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise		°	′ ″
Variation of the Compass by Azimuth ☉ observed at		°	′ ″
Water expended during the preceding 24 hours		200	gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		1755	"
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon		"	"

P. M.															
		S SW.													
1		S S W.	W.	5		29.91	70	74	72		3 c.	Cum.	9	S	
2		SW.	"	4		29.90	71	74	72		"	Cumulus	9	"	
3		SW by W.	W by W.	4		29.90	72	74	73		"	"	9	"	
4		"	"	4		29.87	72	75	73		"	"	9	"	
5		W	W.	4		29.84	72	76	72		"	"	9 h.	9 m	
6		NW.	NNW.	3		29.84	72	76	72		"	"	9	"	
7		NNW.	NW.	3		29.84	72	75	72		"	"	9	S	
8		"	"	2		29.82	70	75	72		"	"	9	"	
9		NW by N	"	2		29.85	71	71	69		"	"	9	"	
10		NW by N	"	2		29.85	71	71	69		"	"	9	"	
11		NNW.	"	3		29.85	71	70	68		"	"	9	"	
Mid.		"	"	3		29.83	71	69	67		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉		°	′ ″
Longitude by Chronometer from Observations	*	°	′ ″
Variation of the Compass by Amplitude ☉ observed at Sunset		°	′ ″
Variation of the Compass by	at	°	′ ″

under the command of Commander W. S. Schley, U. S. Navy,

Saturday Dec 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear, cool & pleasant. Calm first two hours of watch, light breeze last two hours from N.NW. Clear hawse

L. K. Curtis
Lieut.

4 to 8 AM.

Clear. Cool. Pleasant. Light breze from N.W. At 7 30 Flag ship made gen'l sig. 0850. And's By ord of Cond'g officer Thos Kelly (C-T) was released from confinement & restored to duty. Hawse clear

Edwd Simms.
Ensign

8 AM. to Midn.

Clear & pleasant. Moderate Westerly breze. Cum. clouds A lumber and a Belgian Steamer came in and anchored: Comd'rs of French and Italian gunboats called on Cond'g officer Clear hawse. Current about 0.6 knots setting to N.

L. P. Jarrett
Master.

Midn to 4 PM.

Clear & pleasant. Moderate breze from W and W.S.W. Barometer falling. Hawse clear.

Edwd Simms
Ensign

4 to 8 PM.

Clear & pleasant. Moderate breze from W. shifting to N.W. and falling light. Cum. Str. clouds. Cross in hawse 45 fathom chain on top.

L. P. Jarrett.
Master.

8 PM. to Midn.

Clear, Cool & pleasant. Light to gentle breze from NW. Cross in hawse. 45 fathom chain on top.

Edwd Simms.
Ensign

Moon's phase 1st Qr Dec 8. 5

Examined and found to be correct.

Asa Walker.
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, Guns,

Harbor of Montevideo, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W.by N.	W.N.W.	3		29.81	69	67	66		b.c	cum	9	S	
2			"	"	3		29.80	68	65	66		"	"	9	"	
3			W.by W.	"	3		29.78	67	64	65		"	"	9	"	
4			W.N.W.	"	3		29.76	67	64	64		"	"	9	"	
5			W.by N	"	3-4		29.77	66	64	64		"	"	9	"	
6			W.N.W.	"	3-4		29.79	66	65	61		"	"	9	"	
7			W.by N.	"	3-4		29.80	66	66	63		"	"	9	"	
8			W.N.W.	"	3-4		29.81	68	70	65		"	"	9	"	
9			"	N.W.	5		29.80	75	74	70		"	"	9	"	
10			"	"	4		29.80	72	77	73		"	"	9	"	
11			N.W. by W	"	3-5		29.79	72	78	75		b.	None	10	"	
Noon.			N.W. by W	"	3-5		29.77	75	79	76		"	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observation at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 150 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1600 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			N.W.	N.N.W.	3-4		29.76	77	81	76		b.	None	10	S.	
2			W.by S.	"	3-4		29.75	78	81	78		"	"	6	"	
3			W.	W.	2-3		29.75	78	81	77		"	"	10	"	
4			N.W.	"	2-3		29.72	76	79	75		"	"	10	"	
5			W.by W.	S.	2		29.72	76	79	77		"	"	10	"	
6			N. by W.	W.S.W.	2		29.72	76	80	77		"	"	10	"	
7			N.W.by W.	S.W.	1		29.74	77	79	77		b.c.	Cir. Str.	9	"	
8			N.W by N.	Calm	0		29.75	77	78	77		"	"	9	"	
9			N.	N.E.	0-1		29.74	77	77	76		"	"	9	"	
10			N.N.W.	"	1		29.74	75	75	74		"	"	9	"	
11			W.by S.	N.N.W.	1		29.74	74	74	73		"	"	9	"	
Mid.			S.by E.	"	1		29.74	74	74	73		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations — ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Commander W. S. Schley, U. S. Navy,

Sunday, December 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear Cool. Gentle N.N.W. breeze cumm Clouds. Bright starlight. Clear hawse.

L. P. Jewett
Master.

4 to 8 A.M.
Clear, cool and pleasant. Gentle to moderate breeze from N.NW. Barometer rising slowly. Sea smooth. Cross in hawse

L. B. T. Moore
Ensign.

8 AM to Mend. Clear and pleasant. Gentle to stiff breeze from N.W. Bar. falling. At 9.45 mustered and inspected at quarters. English gunboat "Mallard" came in and anchored. Hawse clear.

Sam'l Lindley
Ensign

From Mend. to 4 PM. Clear. Pleasant. Moderate to light breeze from W.N.W. and W. Bar. falling. Sea smooth. Cross in Hawse.

L. B. T. Moore
Ensign

From 4 to 8 PM. Clear and pleasant. Light breeze from N. & W. and calms. At 6. do Flags hoisted made gen. sig. 29 05'. Answered. Cross in hawse ptbb. chain on top.

Sam'l Lindley
Ensign

From 8 PM. to Mid. Clear and pleasant. Light airs from N.E. & N.N.W. Barometer steady. Sea smooth. Elbow in Hawse.

L. B. T. Moore
Ensign

Morris Phoenix 1st Sqr. See N.1°

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d. Rate, 6 Guns,

Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.S.E.	N.W.	0-1		29.73	73	71	70		b.	Nimbus	10	S.	
2			W. by S.	"	1-2		29.70	73	71	70		"	"	10	"	
3			S.W.	N.N.W.	2		29.73	72	68	66		"	"	10	"	
4			S.W. by S.	N.W.	3		29.73	72	67	66		b.c.	Cir. Cum. Str.	8	"	
5			S.S.W.	N. by W.	1-2		29.74	68	66	65		"	Cir. Cum.	7	"	
6			S. by W.	"	1-2		29.75	69	68	66		"	"	7	"	
7			"	N.	1-2		29.77	69	70	67		"	"	7	"	
8			"	"	1-2		29.77	71	73	70		"	"	7	"	
9			N.N.W.	N.N.W.	2		29.76	75	78	74		"	"	6	"	
10			N.W.	N.W.	3		29.76	75	78	75		"	"	6	"	
11			W.N.W.	N.W. by W.	3		29.76	77	81	77		"	"	5	"	
Noon.			S.W. by S.	N.W. by N.	3-4		29.74	77	81	77		"	"	7	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ☉	°	′	″
Longitude by Chronometer from Forenoon Observations ☉	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ☉ observed at	°	′	″
Water expended during the preceding 24 hours	150	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1450	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			S.	S. by W.	3-4		29.73	76	80	76		b.c.	Cir. Cum.	6	S.	
2			"	S.S.W.	3-4		29.72	75	78	75		"	"	5	"	
3			"	S.	3-4		29.72	76	76	74		"	"	3	"	
4			S. by E.	S.S.E.	3-4		29.70	75	75	72		"	"	2	"	
5			S.S.E.	E.S.E.	3		29.68	73	75	72		"	"	2	"	
6			S.E.	E.	3		29.68	73	70	73		"	"	2	"	
7			S.E. by E.	E.	3		29.69	73	70	73		"	"	3	"	
8			E. by N.	E.N.E.	2		29.67	74	74	72		"	"	5	"	
9			E.N.E.	E.	1		29.64	74	74	72		b.c.l.	"	4	"	
10			E.	E.S.E.	0-1		29.64	74	74	72		b.q.l.t.	Nimbus	0	"	
11			E. by S.	E.	1-2		29.69	74	74	72		b.c.l.t.p.	"	6	"	
Mid.			E. by S.	E.	1-2		29.67	74	74	72		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations	°	′	″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. A. Ashley, U. S. Navy,

Monday, December 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear, cool and pleasant. Light to gentle breeze from N. W. and N. N. W. Blow and crow in hawse

Saml. Lyndy
Ensign

From 4 to 8 AM. Clear and pleasant. Light breze from N by W. and N. Cleaned hawse. At 7.55 made intog. sig. 5756. "Hartford" answered and made 904. At 8. loosed sail. Ends in hawse, stbd chain on bow.

C. K. Curtis
Lieut.

8 AM. to Merid. Clear, warm and pleasant, with light to moderate breeze from N. N. W. to N. W by W. Cir. cum. clouds. Barometer steady. At 9.15 mustered at quarters Jas. Barry (P. Mas.) Francis Giles and Jas. Hughes (2. C. F.) John P. Roberts (Eds C.F.) M. F. O'Donnell and Wm. Lindsey (P.M. Crew U.S.N.C.) absent without leave, having overstayed liberty M. F. O'Donnell (Priv. Mar.) returned to the ship. At 10.55 AM. made sig. Int log. 48-26. Flagship answered 904. Furled sail. Sent liberty party on shore.

C. B. T. Moore
Ensign

Merid. to 4 PM. Clear and pleasant. Moderate to fresh breeze from S. W. by S. to S. S. E. At 3.20 "Hartford" made gen. sig. 2984. Answered. Jas. Barry (P. Mas.) returned on board

C. K. Curtis
Lieut.

4 to 8 PM. Pleasant and partially overcast, with moderate to light breeze from S. E. to E. N. E. Received on board in Construction Department the following Stores 30 Gals. Paint Oil, 10 gals. Turpentine, 10 Sheets Tin, 5 lb. Chalk, 10 Glass Lights, 2 lbs. Glue, 20 ft. 2 in. Ash Plank. Received in Paymasters Department 5 Boxes Candles. Jas. Hughes and Francis Giles (2 C. F.) returned on board. Whale Boat unhooked while hoisting, but was not damaged.

C. B. T. Moore
Ensign

8 to Mid. Over cast and cloudy. Thunder and lightning to the S. & W. Passing showers, latter part of watch. Light breze from E. to S. Clear hawse.

C. K. Curtis
Lieut.

Moon's phase New Moon, Dec N. 6th

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Montevideo, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. by E.	S.	6.8		29.70	71	69	67		O.T.	Nimb.	0	M.	
2				"	6.8		29.65	70	68	67		"	"	0	"	
3			S. E.	S. E.	3		29.64	70	69	67		"	"	0	"	
4			S. E. by E.	S. E.	3		29.62	70	70	69		"	"	0	"	
5			S. S E	ESE.	2-3		29.62	70	70	69		O.C.T.	"	0	S	
6			S	"	2		29.62	70	69	67		O.C.	"	0	"	
7			S. SW.	Calm	0		29.62	70	69	69		"	"	0	"	
8			SW.	S E	0-1		29.62	71	70	68		"	"	0	"	
9			WNW.	"	0-1		29.62	71	70	69		"	Cum Nimb	0	"	
10			W by W.	W by N	0-1		29.62	71	70	70		"	"	0	"	
11			NW	NW	1-2		29.61	71	72	70		"	Cir. Cum Nimb	0	"	
Noon.			WNW.	W.	1-2		29.61	71	73	70		O.C.T	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observation at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 200 gallons.

Water received during the preceding 24 hours — 1600 "

Water remaining on hand fit for use at Noon — 2850 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.			WNW.													
1			WNW.	W.	2-3		29.60	71	72	70		O.C	Cum Nimb	S		
2			"	SW	3-4		29.59	71	72	70		"	"	"		
3			S. SW.	S. S W.	5-4		29.60	70	69	67		O.C.Q.	"	M.		
4			"	"	7-9		29.60	67	65	63		"	"	R.		
5			SW by S	"	6-8		29.60	65	63	61		O.C.Q.	"	"		
6			SW.	SW.	7-9		29.64	65	60	59		O.C.Q.R.	"	"		
7			"	"	1-3		29.61	65	60	59		O.C.P	Nimb	M		
8			"	"	2-4		29.58	65	61	60		O.C.Q.R.	"	"		
9			W	W.	3-5		29.57	65	65	59		"	"	"		
10			WNW.	WNW.	5-7		29.55	67	61	59		"	"	"		
11			W	WSW S	7-10		29.54	66	59	59		"	"	R.		
Mid.			SW.	SW.	7-10		29.56	60	58	57		"	"	"		

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations * — ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday, December 31st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast, rainy and cool. Heavy squall from S. lasting two hours. Latter part of watch wind dying out and shifting N.E. Unshipped port accommodation ladder. Crossed in Kauai, port chain on top.

L. B. T. Moon
Ensign

4 to 8 A.M.

Overcast & cloudy. Rainy the first hours of watch. Light breeze from N.E. & E. Rec'd 140 lbs fresh beef and 140 lbs vegetables. Rec'd 1600 gals water. Clear hawse. At 7h 20m Flag Ship made three signal 3300. Ans'd.

L. P. Jewett
Master.

8 A.M. to Noon.

Cloudy and pleasant. Light airs to light breeze from S.E. to N.W. Thunder to S.W. & W. Latter part of watch. Mustered crew at quarters at 9h 15m. Wm Linkens (P.M.) and J. P. Roberts (2/s) absent without leave. Clear hawse —

L. K. Lewis
Lieut.

Noon to 4 P.M.

Cloudy and pleasant first two hours, latter two heavy squalls from S.W. & W. At 2h 40m sent down top gallt yards. At 3 veered to 55 fms on port chain. A French man-of-war came in and anchored. Ship's Corporal W. H. Allen, R. Henderson, W. B. Hammon, and J. D. Griffin were detached by Wish of Navy Dept & ordered home, to report arrival.

L. P. Jewett
Master.

4 to 8 P.M.—

Moderate gale with heavy squalls from S.E. and S., first two hours moderating, last two to light breeze. Cloudy with passing showers of rain. At 4h 30m sent down top gallt-masts. At 7 hove in to 45 fms on port chain. Clear hawse —

L. K. Lewis
Lieut.

8 P.M. to Midt.

Overcast, cloudy and raining. Blowing very heavy from W.S.W. to S.W. At 11h 55m started fires under four boilers. Clear hawse —

L. P. Jewett
Master.

Moon's phase 1st Qr Dec 31. 11h

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Essex , 32 Rate, Guns,

Harbor of Montevideo

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S by W S	S by W S	8-10		29.54	65	58	57		o. c. p. g	cumb.	0	R	
2			S S W.	S S W.	8-10		29.54	65	58	57		"	"	0	"	
3			S by W S	S by W S	7-9		29.63	65	58	57		"	cum cumb	0	"	
4			"	"	7-8		29.65	65	58	57		"	"	0	"	
5			S W.	S W	7-8		29.66	65	59	58		h. c. p. g.	"	2	"	
6			S by W W.	S by W W.	7-8		29.64	65	59	58		"	"	3	"	
7			"	"	6-7		29.70	65	59	58		h. c. g.	"	4	"	
8			"	"	6-7		29.75	65	59	58		"	"	4	"	
9			S. W.	S. W.	6-7		29.80	63	59	57		"	"	8	"	
10			S. W. by W	"	6-7		29.87	61	60	58		"	"	2	"	
11			"	"	6-7		29.87	61	60	58		"	"	4	"	
Noon.			"	"	6-7		29.82	61	61	59		"	"	4	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	200	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	2600	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S. W. by W	S. W. by W.	5-7		29.87	65	61	59		b. c. g.	Cum. Nimb	4	R.	
2			"	"	7-8		29.83	65	61	59		b. c. p. g.	"	2	"	
3			"	"	6-7		29.84	65	61	59		"	"	2	"	
4			"	"	6-7		29.85	65	61	59		b. c. p. g.	"	2	"	
5			"	"	6-7		29.85	65	62	60		b. c. g.	"	2	"	
6				"	6-7		29.85	65	62	60		"	"	3	"	
7			S. S. W.	S. W.	5-6		29.87	65	63	60		"	"	2	"	
8			S. W.		5-6		29.86	65	63	61		b. c. g. p.	"	1	"	
9			S. W. by S.	S. W. by S.	5		29.86	63	63	61		b. c. g.	"	4	"	
10			"	"	5		29.89	61	62	60		b. c.	"	6	"	
11			"	"	4		29.89	61	62	60		"	"	6	"	
Mid.			"	"	4		29.89	61	62	60		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations	°	′	″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Wednesday, Jan'y 1st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy with passing showers, first two hours. Fresh gale from SWbyS. and S.S.W. Frequent very heavy squalls. Moderating latter part of watch. Clear hawse.

C. K. Lewis
Lieut.

4 to 8 A.M.
Cloudy with passing showers first two hours. Fresh pampero from SW and SWbyW. moderating latter part. Sea rough. At 5 brought to on port chain and hove up port anchor, steaming ahead at same time. Let go anchor again forming elbow in hawse, port chain on top. Veered to 45 fms on port chain. At 7.30 flag ship made gen'l signal 3350, Ans'd. Fires in four boilers. Av. steam pressure 97 lbs.

Saml Smith
Ensign.

8 AM. to Mid.
Cloudy and squally. Moderate gale from S.W. Elbow in hawse, port chain on top. Fires under four boilers. Av. Steam pressure 50 lbs.

L. P. Jewett
Master

Mid. to 4 PM. Cloudy and squally, with passing showers of rain. Hail squall last hour. Barometer unsettled. Sea rough. Wind from S.W. by W. varying in force from 6 to 7. Fires in four boilers. Av. st. pressure 50 lbs. Elbow in hawse, port chain on top.

Saml Smith
Ensign

4 to 8 PM. Cloudy and squally with passing showers of rain last hour. Barometer steady. Very fresh breeze from S.W. Elbow in hawse. Fires under four boilers - Av. st. pressure 55 lbs.

L. P. Jewett
Master

8 PM. to Mid. Clear and cool, with fresh to moderate wind from S.W. by S. Barometer rising slowly. Bright moonlight. Fires in four boilers. Av. st. pressure 55 lbs. Elbow in hawse, port chain on top.

Saml Smith
Ensign

Mean of Chronometers Error at noon N 16°

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W.	S. W.	4.5		29.906	4	67	60		b. c.	Cum.	7	M.	
2			"	"	4.5		29.976	4	61	60		"	"	8	"	
3			S. W. by W.	S. W. by W.	4.6		29.926	3	61	60		b.	None	10	"	
4			"	"	4.5		29.946	3	67	60		"	"	10	"	
5			S. W.	S. W.	5.4		29.936	1	61	59		"	"	10	"	
6			"	"	5.4		29.956	1	67	59		b. c.	Cir. Cum.	9	S.	
7			"	"	4		29.976	7	63	60		"	"	8	"	
8			"	"	4		29.976	4	63	60		"	"	6	"	
9			"	"	3		29.976	4	64	67		"	"	7	"	
10			"	"	3		29.986	5	65	64		"	"	7	"	
11			"	"	2		29.986	5	65	64		"	"	7	"	
Noon.			"	"	2		29.986	5	66	64		"	"	7	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observation at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 200 gallons.

Water — during the preceding 24 hours — " "

Water remaining on hand fit for use at Noon — 2400

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S. W.	S. W.	2		29.986	6	63	67		b. c.	Cir. Cum.	8	S.	
2			S. W. by W.	W. S. W.	2		29.976	7	69	66		"	"	5	"	
3			S. S. W.	W. N. W.	2		29.976	7	69	66		"	"	4	"	
4			S by E.	W by S.	2		29.966	7	71	68		"	"	6	"	
5			"	S. W.	2		29.956	9	72	69		"	"	6	"	
6			S. E.	"	2		29.956	8	71	69		"	"	6	"	
7			"	"	2.1		29.956	7	69	68		"	"	8	"	
8			North	North	2		29.956	7	67	67		"	"	9	"	
9			N. N. E.	N. E. by N.	2		29.956	7	67	66		b.	None	10	"	
10			"	"	3		29.956	7	65	64		"	"	10	"	
11			"	"	4		29.956	6	63	61		"	"	10	"	
Mid.			"	"	5		29.956	5	62	60		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations ☽

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Commander H. S. Schley, U. S. Navy,

Thursday Jany. 2d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 AM. Clear and cool. Moderate to fresh breeze from S.W. Elbow in hawse. Fires under four boilers. As. pressure 45 lbs. ~~Fired under four boilers.~~

L. P. Jewett
Master

4 to 8 AM. Clear and cool, with stiff to moderate breeze from S.W. At 7.20 Flagship made gen. sig. 3350. Answered. Elbow in hawse, port chain on top. Steam in four boilers.

C. B. T. Moore
Ensign

From 8 AM to Merid. Clear and pleasant, with light to gentle breeze from S.W. Barometer steady. Cleared hawse of an elbow and hove up starboard anchor. Steamed ahead and let go starboard anchor. Moored ship with 30 fms. in each chain, open hawse to S.W. by W. At 11.05 AM. made int. sig. 5407 "Hartford" answered and made 904. Fiddled top galt. masts, crossed top galt. yards and loosed sail. At 11.40 made int. sig. 4057. "Hartford" answered and made 904. Hauled fires. By order of Comdr. Thos. Kelly (C.T.) was placed in solitary confinement bread and water, for attempting to smuggle liquor on board. Cadet Midshipmen J. M. Brumby, J. C. Oliver, and W. S. Benson reported on board for duty, having been detached from the Hartford and ordered to this ship by order of Rear Admiral E. T. Nichols. Pacific mail steamer went to sea. Hawse clear.

Saml Shufeldt
Ensign

Merid to 4 PM. Clear and pleasant. Light breeze from S.W. to W.N.W. At 8.20 made sig. int. 4826. Flagship answered 904. Furled sail. Washing ship outside. Clear hawse. British gunboat "Mallard" steamed out of harbor.

C. B. T. Moore
Ensign

4 to 8 PM. Clear and pleasant, light breeze from N.W. and North. Sea smooth. Barometer steady. At 6.35 Flagship made guns. sig. 2905. Answered. At 7.15 she made ~~prep~~ 6143 and at ~~6148~~ 6148, Answered and sent down top galt. yards. Cross in hawse, port chain on top.

Saml Shufeldt
Ensign

8 PM to Mid. Clear and cool. Light to stiff breeze from N.E. by N. Barometer steady. By order of Commanding Officer, temporarily released Thos. Kelly (C.T.) from confinement on recommendation of the Medical Officer, for medical treatment. Cross in hawse, port chain on top.

C. B. T. Moore
Ensign

Moors & pleasant 2d Lt & dec N. 20°

Examined and found to be correct.

Asst Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. N. E.	N. N. E.	4		29.95	64	59	58		b.	None	10	S.	
2			"	"	4		29.95	63	59	58		"	"	10	"	
3			N E by N.	N. E. by N.	4		29.95	62	58	58		"	"	10	"	
4			"	"	4		29.95	62	58	58		"	"	10	"	
5			"	N.	4		29.99	62	59	58		b. c.	Stri.	9	"	
6			N.	"	4		30.00	63	59	58		"	"	9	"	
7			"	"	4		30.00	63	60	59		"	"	9	"	
8			N N W.	N N W.	4		30.05	64	64	62		"	"	9	"	
9			N. W.	N. W.	3		30.07	66	68	65		"	Cir. Cumu	8	"	
10			"	W. N. W.	3		30.10	69	71	68		"	"	8	"	
11			S W.	W. S. W.	4		30.10	69	71	68		"	"	4	"	
Noon.			"	S. W.	3		30.10	68	70	66		"	"	2	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ☉	°	′ ″
Longitude by Chronometer from Forenoon Observations ☉	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ☉ observed at	°	′ ″
Water expended during the preceding 24 hours	300	gallons.
Water during the preceding 24 hours	"	"
Water remaining on hand fit for use at Noon	2100	"
* Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1			S. S. W.	S. S. W.	5		30.10	69	71	68		b. c.	Cir. Cumu	4	S.	
2			S.	S.	4		30.10	69	71	68		"	"	3	"	
3			S by E.	S by E.	2.3		30.09	71	72	68		"	"	4	"	
4			S. S E.	S. S. E.	3.4		30.09	71	72	68		"	"	4	"	
5			S. E by S.	S. E by S.	4		30.10	71	72	68		"	"	4	M.	
6			"	"	5		30.13	71	68	66		"	"	2	"	
7			S. E.	S. E.	5		30.15	68	66	64		"	"	2	"	
8			"	"	5		30.15	68	65	64		"	"	2	"	
9			S E by S	"	5		30.15	67	64	63		"	Mixed Str.	1	"	
10			S. E.	"	4.6		30.15	67	64	64		0. c.	"	0	"	
11			S. E by S.	"	4.6		30.10	67	64	64		"	"	0	"	
Mid.			S. E.	"	4.6		30.15	67	64	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉	°	′ ″
Longitude by Chronometer from Observations	°	′ ″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander H. L. Schley, U. S. Navy,

Friday, January 3rd, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudless and cool. Moderate breeze from N. N. E. & N. E by N. Barometer steady. Crossing in harbor, part chain on forecastle and part on spar deck.

Ensign

From 4. to 8. AM. Clear and pleasant. Moderate breeze from N. to N. N. W. At 7.30 Flagship made gen. sig. 3350, and at 7.30 prep. 6069. At 8. 6069. Crossed top gall. and royal yards. Crossing in harbor. part chain on W.P.

L. K. Lewis
Lieut

From 8. AM. to Mid. Clear and pleasant. Gentle breeze from N.W. to W.N.W. latter part cloudy wind shifting to S.W. and freshening to stiff breeze. At 10 ship running to Key West. Above in harbor. Visit Clear & harbor. At 9.15 inspected crew at quarters. Wm. Finberg (P.M.) and John P. Roberts (Pri. Pt.) absent five days without leave. F. Wolfinger (O.S.) M. J. King (Lds.) J. W. Green (Lds.) Geo. Rennie (Sea.) Thos. C. Reutz (O.S.) Peder Olsen (Sea.) Jer. O'Brien (C.T.) and F. Porter (C.H.) absent 24 hours without leave, offered ten dollars reward for apprehension of above men. Riding to open harbor.

L. B. T. Moore
Ensign

Mid. to 4 PM. Pleasant. Light to moderate breeze from S.S.W. to S.S.E. Fred Porter (C.H.) returned on board. At 3.30 Flagship made gen. sig. 2984. Answered.

L. K. Lewis
Lieut

From 4 to 8 PM. Cloudy, cool and pleasant. Moderate to stiff breeze from S.E. by S. to S.S.E. At 6.55 veered to 45 fms. port chain. At 7 Flagship made prep. sig. 6070 Answered. At sunset sent down Royal Yards. At 5.10 P. Olsen (Sea) Geo. Rennie (Sea) Thos. C. Reutz (O.S.) and F. Wolfinger (O.S.) returned on board.

L. B. T. Moore
Ensign

8 to 12 PM. Weather overcast and cloudy. Wind light, to moderate squalls from S.E. Moderate sea. Clear harbor.

L. K. Lewis
Lieut

Moon's phase 2d qr dec N. 23°

Examined and found to be correct.

H. H. Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.S.E.	S.Ely S.	4.6		30.15	65	64	63		o.q.	Cir. Cum.	0	M.	
2			"	"	4.6		30.15	65	64	63		"	"	0	"	
3			"	"	4.6		30.15	65	64	63		"	"	0	"	
4			"	"	4.6		30.15	65	64	63		"	"	0	"	
5			"	"	4.6		30.18	65	63	62		c.	Cum. Nimb	0	L.	
6			S.Ely S.	"	4.5		30.22	64	62	61		"	"	0	"	
7			"	S.E.	3.4		30.22	64	62	61		"	"	1	"	
8			"	"	4		30.23	64	62	61		"	"	1	"	
9			"	"	4		30.28	64	63	61		b.c.	Cum. Str	2	"	
10			"	"	4		30.26	63	64	61		"	"	2	"	
11			"	"	4		30.25	63	63	61		"	"	3	"	
Noon.			"	"	4.5		30.25	63	63	61		b.c.q.	Cir. Cum.	3.4	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ⊙	°	′ ″
Longitude by Chronometer from Forenoon Observations ⊙	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ⊙ observed at	°	′ ″
Water expended during the preceding 24 hours	250	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1750	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S.Ely S.	S.E.	4.5		30.24	63	63	60		b.c.	Cir. Cum.	3	M.	
2			"	"	4.5		30.24	63	63	60		"	"	3	"	
3			"	"	4.5		30.22	63	63	60		"	"	4	"	
4			"	"	4		30.21	63	62	60		"	"	4	"	
5			"	"	4		30.20	63	62	60		"	"	6	"	
6			"	"	3		30.20	63	62	60		"	Cir. Nim.	1	L	
7			"	"	2.3		30.20	63	61	59		o.c.	Nim. Cum.	0	"	
8			S.E.	"	2.3		30.20	63	61	59		"	"	0	"	
9			"	"	4.6		30.20	63	60	59		o.c.q.	"	0	M	
10			S.S.E.	"	3.5		30.19	63	60	59		"	"	6	"	
11			"	"	3.5		30.18	63	60	59		"	"	0	"	
Mid.			"	"	2.4		30.17	63	60	59		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander H. S. Dahlgren, U. S. Navy,

Saturday January 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast, cool and pleasant. Moderate to stiff breeze from S.E. by S. frequent moderate wind squalls. Clear hawse. Moderate Seas.

C. B. T. Moore
Ensign

4 to 8 AM. Cloudy and cool. Gentle to moderate breeze from S.E. Smooth sea. Clear hawse.

L. P. Jarrett
Master

8 AM. to Mid. Clear and cool but pleasant, with fresh breeze from S.E. squally last hour. Cir. cum str. clouds. Smooth to moderate sea. Private Lindsey brought on board by the Sergeant of the Guard. Clear hawse.

Le. K. Lewis
Lieutenant

Mid to 4 P.M. Cloudy and cool. Moderate breeze from S.E. Moderate sea. Bar. falling. Clear hawse. H.B.M.S. Bl. came down the river and anchored in the inner harbor, about 3 o'clock

L. P. Jarrett
Master

From 4 to 8. Clear and pleasant first part, overcast and ~~pleasant~~ cloudy latter part. Moderate to gentle breeze from S.E. Moderate to smooth sea. Clear hawse.

Le. K. Lewis
Lieutenant

8 P.M. to Mid. Overcast and cool - Moderate breeze in squalls from S.E. Moderate sea. Bar. falling slowly. Clear Hawse. Reconfined Thos. Kelly (C.M.S.). Solitary confinement on bread and water.

L. P. Jarrett
Master

Noon's pleasant 24 hrs ending Dec 25

Examined and found to be correct.

Robert Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Montevideo, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURES. Air Dry Bulb.	TEMPERATURES. Air Wet Bulb.	TEMPERATURES. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.E.	S.E.	0		30.17	63	66	58		0 c.	Cum. Nimb	0	S.	
2			"	"	3		30.16	63	60	58		bc.	"	2	"	
3			S.S.E.	"	2		30.15	63	60	58		"	Cir. Str.	6	"	
4				S.S.E.	2.3		30.15	63	59	57		"	"	6	"	
5			S by E.	"	2.3		30.15	62	58	57		"	Cir. Str.	7	"	
6			"	"	2		30.15	62	59	58		"	"	9	"	
7			"	"	2		30.15	63	61	59		"	"	9	"	
8			"	"	3		30.17	64	62	60		"	"	9	"	
9	-	-	S.	S.	3		30.17	64	63	61		"	"	8	"	
10				S.S.E.	3.4		30.16	64	63	62		"	"	8	"	
11			S by E.	"	3.4		30.16	64	63	62		"	"	7	"	
Noon.			S.	"	3-4		30.16	65	64	62		"	"	7	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	250	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1550	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURES. Air Dry Bulb.	TEMPERATURES. Air Wet Bulb.	TEMPERATURES. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S.S.W.	S.S.E.	4		30.15	65	65	63		bc.	Cir. Cum	8	S.	
2			S by E.	"	4		30.15	65	65	64		"	"	9	"	
3			S.S.E.	"	4		30.13	66	66	65		"	"	9	"	
4			S by E.	S by E.	3.4		30.17	66	66	65		"	Cir. Str.	9	"	
5			"	S.S.E.	2.3		30.11	66	66	65		"	"	9	"	
6			S.S.E.	S.E by E.	2		30.11	66	65	63		"	"	9	"	
7			S.E.	E.S.E.	1		30.11	66	64	62		b.	None	10	"	
8			E by S.	E.N.E.	1		30.09	65	63	61		"	"	10	"	
9			N.E by E.	N.E.	1.2		30.10	64	64	63		"	"	10	"	
10			"	"	1		30.10	64	64	63		"	"	10	"	
11			N.N.E.	N.N.E.	1.2		30.10	64	62	61		"	"	10	"	
Mid.			N by E	"	2.3		30.10	64	61	60		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander U. S. Schley, U. S. Navy,

Sunday, January 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast first hour. Clear and pleasant rest of watch. Nim. thr. clouds. Gentle breeze from S.E. Smooth sea. J.W. Greene (Cdt) returned 3 p. days. over leave. Clear Hawse

W.S. Benson
Cadet Midshipman

From 4 to 8 AM. Clear and pleasant weather. Gentle breeze from S.S.E. Bar. at 8 a.m. 30.17, rising slowly. Smooth sea. Riding to flood tide. Clear Hawse.

Jas. C. Cusley
Ensign

From 8 AM. to Mid. Clear and pleasant. Gentle to moderate breeze from S.S.E. Clear Hawse. Abg. 4 st assembled at quarters and had general inspection. At 10.15 Muster'd the crew and read the "Articles for the Government of the Navy". Fm'd Wm. H. King (Cdt) and J.P. Roberts (Cdt. E.) absent without leave. By order of Comdg. Officer confined John W. Greene (Cdt) in double irons, to await trial by Court Martial. Offence; overstaying leave and disobedience of orders.

L. P. Jouett
Master

From Mid. to 4 PM. Clear and pleasant. Gentle to moderate breeze from S by E. to S.S.E. Clear Hawse. Sent a special liberty party of 19 men, to remain until 7 a.m. Janv. 6th

Jas. C. Cusley
Ensign

From 4 to 8 PM. Clear and pleasant. Gentle decreasing breeze from S.S.E. to E.N.E. Smooth sea. Bar. falling. Clear Hawse. Returned on board Wm. H. King (Cdt) 85 hours over leave and John P. Roberts (Cdt. E.) 17½ hours over leave. By order of Comdg. Officer both are confined in double irons to await trial by Court martial. for the offence of overstaying leave.

L. P. Jouett
Master

From 8 PM. to Mid. Clear and pleasant. Light breeze from N.N.E. to N.E. Cross in Hawse from engagement port chain aboard. John P. Roberts (Cdt. E.) upon recommendation of Medical Officer for treatment.

Jas. C. Cusley
Ensign

Moon's phase 2nd Qr. Dec N. 27°

Examined and found to be correct,

A.S. Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hours	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. N. E.	N.	1		30.08	64	60	60		b.	None	10	S.	
2			N.	"	1.V		30.08	64	59	59		"	"	10	"	
3			N. by E.	"	1		30.07	63	59	59		"	"	10	"	
4			"	"	1		30.07	63	59	59		b. c.	Cir.	9	"	
5			"	S by E.	1		30.07	63	57	58		"	"	9	"	
6			"	"	1		30.08	62	58	56		"	"	9	"	
7			"	"	1		30.10	62	58	56		"	"	9	"	
8			E. N. E.	Calm.	0		30.11	63	65	64		"	"	9	"	
9			S. E. by E.	"	0		30.11	64	67	66		b.	None	10	"	
10			"	"	0		30.11	65	67	66		b. m.	"	10	"	
11			S. S. E.	Sonth	1		30.11	66	68	66		"	"	10	"	
Noon.			S. E. by S.	S. E.	1/		30.10	67	69	67		b.	"	10	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° — ′ — ″

Longitude by D. R. at Noon — ° — ′ — ″

Latitude by Observation at Noon ⊙ — ° — ′ — ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° — ′ — ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° — ′ — ″

Variation of the Compass by Azimuth ⊙ observed at — ° — ′ — ″

Water expended during the preceding 24 hours — 300 — gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1200 — "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hours	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			E. S. E.	E. S. E.	3		30.08	67	68	67		b. c.	Cir. Cum	9	S.	
2			E.	"	3		30.08	68	69	67		"	"	9	"	
3			E. S. E.	"	4		30.07	68	71	68		"	"	7	"	
4			"	"	4		30.05	69	71	69		"	"	9	"	
5			"	E.	3		30.07	70	71	68		b.	None	10	"	
6			E.	"	4		30.02	70	71	68		"	"	10	"	
7			"	"	4		30.01	69	70	68		b. z.	"	10	"	
8			"	"	4		30.01	69	69	67		"	"	10	"	
9			E. N. E.	E. N. E.	4		30.01	69	69	66		b. c.	Cir. Stri.	9	"	
10			"	"	4.5		30.00	69	68	67		"	"	9	"	
11			"	"	4.5		30.03	68	67	65		"	"	9	"	
Mid.			N. E. by E.	N. E. by E.	4.5		30.01	67	65	63		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° — ′ — ″

Longitude by Chronometer from Observations — ° — ′ — ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° — ′ — ″

Variation of the Compass by — at — ° — ′ — ″

under the command of Commander H. A. Schley, U. S. Navy,

Monday, January 6th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and cool. Light North breeze. Sea smooth. Crew in the hammocks.

S. P. Jewett
Master

From 4 to 8 AM. Clear and pleasant. Light airs from N. by E. Liberty party returned on board. At 7.20 "Hartford" signaled 3350. Answered. At 7.40. Prep. 6871. Answered. At 8 moored royal yards. Crew in hammocks, port chain on top.

C. B. T. Moore
Ensign

From 8 AM. to Mid. Clear and pleasant, light airs and calms. Clear hammocks. Pilot Franks Sea reported the expiration of his term of service. At 9.15 sent to general quarters, and the divisions reported ready as follows, 1st Div. 2 M. 55 sec., 2d Div. 1 M. 45 sec., Eng. Div. 31 sec., Pow. Div. 2 M. 20 sec. Marines 30 sec. Nav. 1 M. 45 sec. XI m. shifted first 1 M. 42 sec. Secured at 9.35 in 3 M. 30 sec. Rich. Jones (Aj. Stwd.) absent without leave, returned on board at 11. A Medical board composed of Med. Instr. A. C. Gorgas, P.A. Surg. A. H. Moore, and P.A. Surg. G. P. Bradley convened on board to survey Lt. Comdr. John Schouler. Overhauled togs and made out monthly clothing requisitions.

Lawrence Sigsbee
Ensign

From Mid. to 4 PM. Clear and pleasant. Gentle to moderate breeze from E.S.E. Overhauling both chains, Reeving end for end, fore and fore topsail braces. At 2.15 "Hartford" signaled 2984. Answered. Crew in hammocks, port chain over.

C. B. T. Moore
Ensign

From 4 to 8 PM. Clear and pleasant. Moderate breeze from E. An American whaling bark came in and anchored. At 5.20 flagship made signal prep. 6068 At 5.30 "6068. At 6 prep. 5040. Mustered at quarters and turned out hammocks. Crew in hammocks. Sent down light yards at 5.20

Lawrence Sigsbee
Ensign

From 8 PM. to Mid. Clear and pleasant. Moderate to stiff breeze from E.N.E. to N.E. by E. Bright moonlight. Crew in hammocks port chain on top.

C. B. T. Moore
Ensign

Moon's Phase 2d Qr Dec N 26°

Examined and found to be correct.

Asa Walker
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d Rate, 6 Guns,

Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N.E. by N.	N.E by E.	3.5		30.00	64	67	61		b.c.q.	Cir. Str.	9	S.	
2			N.N.E.	"	3.5		30.00	64	67	61		"	"	9	"	
3			N. by E.	N.N.E.	3.5		29.98	64	67	60		"	"	9	"	
4			"	N by E.	2.3		29.95	64	67	60		"	"	9	"	
5			"	"	3		29.90	63	67	61		b.c.	"	9	"	
6			N.W.	N.N.E.	3		30.00	64	67	67		"	"	9	"	
7			N.E.	N.E.	3		30.01	65	65	64		"	"	9	"	
8			N.E. by N.	"	3-4		30.00	67	68	67		"	Cir.	9	"	
9			"	"	3-4		30.00	68	71	69		"	"	9	"	
10			"	"	3-4		29.99	71	74	71		"	"	9	"	
11			E.S.E.	E.S.E.	3-5		29.99	72	75	72		"	"	9	"	
Noon.			E by E.	"	4		29.97	72	74	71		"	Cum.	9	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ☉	°	′	″
Longitude by Chronometer from Forenoon Observations ☉	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ☉ observed at	°	′	″
Water expended during the preceding 24 hours	250	gallons.	
Water received during the preceding 24 hours	1850	"	
Water remaining on hand fit for use at Noon	2800	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.																
1			E.S.E.	S.E by E.	3.5		29.94	74	75	71		b.c.q.	Cir. Str.	9	S.	
2			"	E.S.E.	3.5		29.92	74	75	71		"	"	9	"	
3			"	E by S.	3.5		29.91	74	74	71		"	"	9	M.	
4			E.	"	4.6		29.88	74	74	72		"	Cir.	9	"	
5			E by S.	"	6		29.86	74	76	72		b.c.	Cum.	8	"	
6			E.	E by N.	5.6		29.86	74	76	73		b.c.q.	"	8	"	
7			"	"	5.6		29.86	74	76	73		"	"	8	"	
8			E.N.E.	E.N.E.	5.6		29.86	74	76	73		"	"	9	"	
9			E by N.	"	4.6		29.86	74	74	70		"	Cir.	9	S.	
10			E.N.E.	N.E by E.	4.6		29.86	74	73	70		"	"	7	"	
11			N.E by E.	"	4.6		29.85	73	72	69		"	Cir. Str.	6	"	
Mid.			N.E.	N.E.	4.6		29.85	70	72	69		"	Cir. Cum.	1	4	

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations ☽	°	′	″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday, January 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Bright moonlight. Moon set a 3.50. Wind in moderate squalls from N. by E. to N. E. by E. Crews in hamse, port chain on top.

Saml Swaby
Ensign

From 4 to 8 AM. Clear and pleasant, with light breeze from N.E. by E. to N.N.E. Cir. Str. clouds. Smooth sea. Received on board 1855 gals. fresh water. Scrubbed hammocks. At 7.20 made Int. sig. 3357. Hartford answered 904. At 7.45 Hartford made prep. sig. 6144. at 8. 6144. Cruised I.S. yards. Crews in hamse, port chain on top.

C. K. Curtis
Lieut.

8 AM to Mid. Clear and pleasant. Gentle to moderate breeze from N.N.E. latter part fell to moderate breeze from E.S.E. Engaged in setting up lower rigging. Crews in hamse, port chain on top.

C. B. T. Moore
Ensign

From Mid. to 4 P.M. Clear and pleasant with fresh breeze in squalls N.E. by E. to E. Cir. Str. clouds. Smooth to moderate sea. Summary court martial of which Master L. P. Jewett, was senior member, met for the trial of John W. Greene (Sd.) for overstaying liberty and disobedience of orders. At 3.20 court adjourned until 10 AM. tomorrow. Crew engaged in setting up rigging and straightening up ratlines. At 1. Made Int. sig 3618. Hartford answered gay. Crews in hamse, port chain on top.

C. K. Curtis
Lieut

4 to 8 P.M. Clear and pleasant. Stiff to fresh breeze from E. to E.N.E. blowing in squalls. Finished setting up lower and topmast rigging. At 6.10 mustered at quarters and turned in clean hammocks. At 6.40 Flagship made gen. sig. 2985. Answered. At 7.10 prep. 6143 and at 7.15 gen. sig. 6143 both answered. At sunset sent down I.S. Yards. Crews in hamse, port chain on top. Read in Construction Light 100 ft white pine brands and two spruce spars. Transferred Theodor Berthelsen (Sdn) to hospital on shore.

C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Bright moonlight. Fresh squalls from N.E. Smooth sea. Crews in hamse, port chain on top.

C. K. Curtis
Lieut.

Moore Johnson 2d Lt Gp Dec N 25

Examined and found to be correct.

Asa Walker,
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. E.	N. E.	3-5		29.86	70	70	68		b. c.	Cir. Cum	8	S.	
2			N. E. by E.	N. N. E.	1		29.85	70	70	68		"	"	8	"	
3			N.	N.	3-5		29.85	70	70	68		o. l. t. g	Cum. Nimb	0	"	
4			"	"	3-6		29.83	70	70	68		o. l. t. g	"	0	"	
5			W. S. W.	"	2-4		29.85	70	70	70		o c r l t	Nim. Cum.	0	"	
6			N by E.	"	2		29.86	70	69	69		"	Cum.	0	"	
7			E. N. E.	N. E.	2-4		29.79	70	68	68		o. c.	Nim. Cum.	0	"	
8			E by N.	E. N. E.	4-5		29.78	69	69	69		"	Nim. Cum.	0	"	
9			E. N. E.	N. E.	4		29.80	69	79	84		b. c.	Cir Cum St	7	"	
10			N by E.	N. by E.	2		29.80	72	73	72		"	"	1	"	
11			N by W.	N.	2		29.81	74	75	74		"	"	4	"	
Noon.			S. W by W.	S.	1-2		29.79	74	76	75		"	Cum. St.	4	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observation at Noon ⊙ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° ′ ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at — ° ′ ″

Water expended during the preceding 24 hours — 250 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2550 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			W. by N.	S. W.	2-3		29.79	74	76	74		b. c.	Cir. Cum	6	S.	
2			W.	"	2-3		29.73	76	76	74		"	"	7	"	
3			W. S. W.	W. S. W.	2-3		29.73	76	76	74		"	"	8	"	
4			S. W. by S.	"	3		29.76	76	76	74		"	"	8	"	
5			S. W.	"	3		29.78	76	78	76		"	"	9	"	
6			S. W by S.	W. N. W.	3		29.71	75	78	76		"	"	9	"	
7			S. W.	"	2		29.71	75	78	76		"	Cum.	9	"	
8			S.	"	2		29.70	75	75	74		b. c. l.	Cum St.	9	"	
9			"	W.	2		29.75	76	75	74		b. l.	None	10	"	
10			"	W. S. W.	2		29.74	76	75	74		b.	"	10	"	
11			"	S. W.	1-2		29.75	76	75	74		"	"	10	"	
Mid.			S. by E.	"	1		29.72	76	75	74		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations — ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Commander H. S. Ashley, U. S. Navy,

Wednesday, January 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Gentle to stiff breeze from N.E. squally; second part wind falling to light airs from N.N.E. Latter part overcast, considerable lightning, distant thunder. Moderate to fresh breeze from N. puts blowing in squalls. Bar. falling. Crocs in hawse, port chain one to p.

C. B. T. Moore
Ensign

From 4 to 8 AM. Overcast and squally with thunder, lightning, and rain. first two hours of watch. After with fresh breeze at end of watch from N.E. Unsteady barometer. Smooth sea. Crocs in hawse, port chain over. At 7.20 Flagship made 3350. Answered. Received on board in Pay. Dept. 8 bbls. Pork.

L. P. Jarett
Master

From 8 AM. to Mid. Partly clear. Pleasant with light breze from N.E. to E. first three hours of watch, S. last hour. Smooth sea. Bar. unsteady. Received on board in Pay. Dept. ten 12 mess kettles. In Equip. Dept 1½ cords Wood. In Construction Dept. 15 gals shellac. At 10 Summary Court met and adjourned at 11.30. till 10 AM. tomorrow. At 9.32 made Int. Sig. "3357." Hartford" answered 904. Broke out fore hold. Elbow in hawse, port chain on to p.

C. K. Lewis
Lieut.

From Mid. to 4 PM. Clear and pleasant. Light breeze from S.W. and W.S.W. Unsteady barometer. Smooth sea. Cleared elbow and 7 fathoms out of hawse, port chain. Stowed provisions in fore hold. Flagship made Gen. sig. 2984. Answered. Ro. confined John P. Roberts (Ds) to await his trial by court martial. Received in Pay. Dept. 59 Keys ½ Tobacco. In Equip. Dept. 5 Coils Manilla rope, 2 coils Hemp, 3 Coils Ratline, 2 Coils Spun yarn, 2 coils Houseline, 30 Canvas ~~In Construction Dept. 30 Can~~ brooms, 12 White wash brushes, 30 Bath brick, 2 Bbls. Sinnet. In Ord. Dept. 17 sheets Emery cloth. In Nav. Dept. 46 yds. Bunting, 2 lbs. Lampwick, 5 lbs. Tallow. Clear hawse.

L. P. Jarett
Master

From 4 to 8 PM. Clear and pleasant. Lightning in N.E. last hour of watch. Sea smooth. Rec'd. on board in Construction and Repair Dept. 4 pieces Ash. and in Pay Dept. 2 boxes Candles. Received from U.S.S.S. "Hartford" in Ord. Dept. 2 IX in Breechings. At 7.17 made Int. sig. 2985 to "Hartford" ans. 904. Clear hawse.

C. K. Lewis
Lieut.

8 PM. to Mid. Clear and pleasant. Bright moonlight. Sea smooth. Light breeze from W. to S.W. Clear hawse.

L. P. Jarett
Master

Moore for hawse Dec. N 21
full 5 fath

Examined and found to be correct.

Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.E. by S.	S.W.	0-1		29.70	73	74	73		b.	None	10	S.	
2			N.	N.W.	0-1		29.73	73	73	72		"	"	10	"	
3				N.	1		29.75	77	71	70		"	"	10	"	
4			N.W. by W.		1.		29.75	71	69	68		"	"	10	"	
5			N. by E.	N. by E.	1-2		29.76	70	68	67		b.z.	"	10	"	
6			N.N.W.	N.W.	1		29.77	70	68	68		"	"	10	"	
7			N.W. by N.	N.W. by W.	1		29.78	71	70	69		b.	"	10	"	
8			N.W.	W.N.W.	2		29.80	71	72	70		"	"	10	"	
9			S.W. by S.	West	3		29.82	73	74	72		"	"	10	"	
10			S.W. by W.	"	2.3		29.82	73	75	72		bc	Str.	9	"	
11			S.W.	"	2.3		29.82	75	75	72		"	"	9	"	
Noon.			S.W. by W.	W.S.W.	2.0		29.82	76	76	72		"	"	9	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ′ ″

Longitude by D. R. at Noon — ° ′ ″

Latitude by Observation at Noon ☉ — ° ′ ″

Longitude by Chronometer from Forenoon Observations ☉ — ° ′ ″

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ☉ observed at — ° ′ ″

Water expended during the preceding 24 hours — 250 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2900 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			W.S.W.	W.S.W.	2.3		29.82	76	78	76		b.c.	Str.	9	S.	
2			West	S.W.	3		29.82	76	78	76		b.g.	None	10	"	
3			W.S.W.	S.W. by W.	2		29.81	76	78	76		"	"	10	"	
4			S.W. by S.	S.W.	1-2		29.80	76	80	78		"	"	10	"	
5			S.E.	S.S.E.	1		29.77	78	82	79		b.	"	10	"	
6			E. by S.	S.E. by S.	1		29.76	79	82	79		"	"	10	"	
7			S.E.	S.E.	1		29.76	78	80	78		b.c.	Str.	9	"	
8			S.E. by E.	Calm	0		29.77	78	79	76		"	Cir	9	"	
9					0		29.72	78	79	76		b.g.	None	10	"	
10			E.S.E.	E.N.E.	0-2		29.72	78	79	76		"	"	10	"	
11				N.E. by E.	2-3		29.74	78	78	76		"	"	10	"	
Mid.			E.	N.N.E.	3-4		29.74	78	78	72		b.c.z.	Str.	9	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ′ ″

Longitude by Chronometer from Observations ☽ — ° ′ ″

Variation of the Compass by Amplitude ☉ observed at Sunset — ° ′ ″

Variation of the Compass by — at — ° ′ ″

under the command of Commander W. D. Schley, U. S. Navy,

Thursday, January 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 A.M. Clear and pleasant, with light breeze from N.E. Bright moonlight. Elbow in hawse.

L. K. Curtis
Lieut.

4 to 8 A.M. Clear and pleasant. Light breeze from N. by E. to W.N.W. Crew in hawse, fort chain on top. By order of Comdr. Geo. Vaughn (Sea) was placed in double irons, for being drunk on duty. Received fresh provisions for crew. German steamer came in. At 7.20 Flagship made sig. 3850; At 7.45 prep. 60 69 and at 7.55 60 69. Rmvd light to yards at 8.

Saml Leslie
Ensign

From 8 A.M. to Merid. Clear and pleasant. Light breeze from W. & N.W. Bar. steady. Crew at elbow out of hawse. Summary court met at 10.30 to try J. C. Roberts (Sea) by order of Comdg. Officer. Frank Hightman (O.S.) was placed in solitary confinement on bread and water, for neglect of duty, and Thos. Kelly (C.T.) was released from confinement and restored to duty. Refitted fore tackle and sheets. Rove off new fore and main topsail halliards and new main togt. fore chains and spanker vangs. Clear hawse.

L. P. Quatt
Master

From Merid. to 4 P.M. Clear and pleasant, hazy around horizon. Light breeze from W.S.W. to S.W. At 12.15 Court took a recess for one hour, met at 1.15 and adjourned at 2.0 to await action of reviewing authority. At 1.0 Called all hands to muster and Jeremiah O'Brien was given a good conduct medal. Received 40 corn brooms and some kalsomine. Ofcg. hawse.

Saml Leslie
Ensign

From 4 to 8 P.M. Clear and warm. Light breeze from S.S.W. to S.E. Bar. falling slowly. At 6.20 Flagship made prep. general signal 60 68. and at 6.50 general signal 60 68, answered and sent down light yards. At 7.05 Flagship made general signal 29 0. At 7.10 "Essex" made interrogatory signal to Flagship 4363, which was answered by general signal 90 4. Received on board in Pay. Dept. 4 bbls. Pork, and in Engrs. Dept. 37 tins of oat meal. Clear hawse.

L. P. Quatt
Master

From 8 P.M. to Mid. Clear and pleasant, hazy around horizon. Bright moon and star light. Moon rose at 7.25. Wind light, increasing latter part of watch. Crew in hawse, fort chain on top.

Saml Leslie
Ensign

Moon's phases 0 1/4 see N 17°

Examined and found to be correct.

Asa Walker
Lieut
Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d Rate, 6 Guns,
Harbor of Monte Video, Uruguay.

Hour.	Knots	Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. E.	N. E.	4-5		29.74	73	71	70		b	None	10	S	
2			N. E.	N.	5-6		29.75	73	71	70		"	"	10	"	
3			N. N. E	"	5-6		29.77	72	70	68		b.c.g.	Cir. Str.	5	"	
4			N by E.	"	5-6		29.77	71	70	68		"	"	4	"	
5			"	"	4-5		29.80	71	70	68		b.c.	"	6	"	
6			N by W.	N by W.	4		29.81	72	71	69		"	"	8	"	
7			"	N.N.W.	4		29.82	73	73	71		"	"	8	"	
8			N.N.W.	N.	2-3		29.82	74	76	74		"	"	8	"	
9			N.	N.N.W.	2-3		29.80	76	80	75		"	"	8	"	
10			N.	N.W.	3-4		29.80	78	83	78		b.c.g.	Cir. & Cum	3	"	
11			N.N.W.	"	2-4		29.80	80	85	80		"	Cum.	3	"	
Noon.			W.S.W.	W.S.W.	2-6		29.81	80	84	80		b.c.g	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.
Latitude by D. R. at Noon — ° — ′ — ″
Longitude by D. R. at Noon — ° — ′ — ″
Latitude by Observation at Noon ☉ — ° — ′ — ″
Longitude by Chronometer from Forenoon Observations ☉ — ° — ′ — ″
Current during the time — knots — fms. per hour setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise — ° — ′ — ″
Variation of the Compass by Azimuth ☉ observed at — ° — ′ — ″
Water expended during the preceding 24 hours — 300 — gallons.
Water — during the preceding 24 hours — " — "
Water remaining on hand fit for use at Noon — 2000 — "
Coal consumed during the preceding 24 hours — tons — lbs.
Coal remaining on hand at Noon — " — "

P. M.									
1	S W.	S W.	3-6	29.82	74	78	74	b.g. Cir. Cum	0 M.
2	S by W.	S by W.	4-6	29.83	76	77	74	" "	6 "
3	"	"	5-6	29.83	76	77	70	" "	0 "
4	"	"	5-6	29.82	76	69	68	" "	0 "
5	S by E.	S. S. E.	5-7	29.86	71	66	67	b.c.g. "	2 R.
6	"	"	4-6	29.87	71	67	66	" "	5 "
7	S. S. E.	"	4-6	29.90	70	67	66	" Cir. Str.	6 "
8	S E. by S.	"	4-6	29.90	70	66	65	" "	4 "
9	"	S E. by S.	4-6	29.90	70	67	66	" "	2 M
10	"	"	4-6	29.92	70	67	65	" "	4 "
11	"	"	4-6	29.92	70	67	65	" "	5 "
Mid.	S. S. E.	S. S. E.	4-6	29.92	70	67	65	" "	2 "

Longitude by Chronometer from Afternoon Observations ☉ — ° — ′ — ″
Longitude by Chronometer from Observations — ° — ′ — ″
Variation of the Compass by Amplitude ☉ observed at Sunset — ° — ′ — ″
Variation of the Compass by — at — ° — ′ — ″

under the command of Commander H. S. Schley, U. S. Navy,

Friday, January 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and cold. Bright moonlight. Smooth sea. Bar. rising slowly. Fresh breeze from N.E. and North. Squally latter part of watch. Crew in hawse.

L. P. Jewett
Master

From 4 to 8 AM. Clear and pleasant. Stiff to light breeze from N. to N.N.W. At 6.45 Coal Lighter came alongside, commenced coaling ship. Crew in hawse, port chain over top.

C. B. T. Moore
Ensign

From 8 AM to Mid. Began clear and pleasant, overcast and cloudy latter part of watch. Wind Moderate from N. to N.W. till 11.40, when it came out fresh from W. & W. Continued Coaling Ship. By order of Comdg. Officer released Frank Leighman (Ord'y) and Geo. Vaughn (Ldg) from confinement. Crew in hawse, port chain on top.

Lam Clyde
Ensign

From Mid. to 4 P.M. Overcast and Pleasant. Gentle to fresh breeze from S.W. to W.N.W. blowing in squalls. At 12.30 cleared hawse. At 1.00 received 70 tons on each chain. At 2. Corpl. Jones fell overboard from Starboard gangway, and was rescued by John Williamson Ordinary and Giffin O.S. who jumped overboard for him. At 3 stopped coaling, and sent coal lighters on shore, sea being too rough to continue coaling. Recd. 76 tons coal. Clear hawse. Sea moderate. Barometer steady.

C. B. T. Moore.
Ensign

From 4. to 8 P.M. Cloudy but pleasant weather. Fresh breeze from S.S.E. blowing in squalls. Barometer rising slowly. Clear hawse.

Lam Clyde
Ensign

From 8 P.M. to Mid. Cloudy and pleasant. Moderate to fresh breeze from S.E. by S. to S.S.E. blowing in squalls. Clear hawse. Bright moonlight. Moderate sea.

C. B. T. Moore
Ensign

"Noon: pleasant 3' 9" See N. 12"

Examined and found to be correct.

Asa Walker
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. S. E.	S.S.E.	3-4		29.96	73	67	66		bc	Cum.	7	A.	
2			S. E by S.	"	2-4		29.96	73	67	66		"	"	9	"	
3			S.	"	2-3		29.96	73	67	66		"	"	4	"	
4			S by E.	S. by E.	2-3		29.96	73	67	66		"	Cum. Mist	1	"	
5			S by W.	"	2-3		29.96	70	67	66		"	Cum. Str.	1	"	
6			S. S. E.	S.S.E.	3		29.98	70	66	66		"	"	2	"	
7			"	"	3		29.98	69	67	66		"	Cum. Cir.	2	"	
8			"	"	3		30.00	68	67	67		"	"	6	"	
9			S. E by S.	S. E by S.	3		30.00	69	69	67		"	"	6	"	
10			"	"	3		30.00	69	69	67		"	"	6	"	
11			"	"	3		30.00	68	69	67		"	"	6	"	
Noon.			"	"	3		30.01	68	69	67		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ☉	°	′ ″
Longitude by Chronometer from Forenoon Observations ☉	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ☉ observed at	°	′ ″
Water expended during the preceding 24 hours	400	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1600	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.														
1	E. by S.	E. S. E.	3	30.00	69	68	67	bc.	Ci Cum.	6	S	
2	S. E.	S. E.	3	30.02	69	68	67	"	Ci Cum Str	6	"	
3	"	"	3	30.02	69	68	67	"	"	6	"	
4	S. E by S.	"	3	30.02	67	67	66	"	"	7	"	
5	E. S. E.	"	4	30.02	67	67	66	"	"	7	"	
6	"	E. S. E.	4	30.02	70	67	64	"	"	7	"	
7	E by S.	E by S.	4	30.02	69	66	64	"	"	8	"	
8	E.	E.	4	30.02	69	66	64	"	"	8	"	
9	E. S. E.	E. S. E.	2	30.03	69	66	65	"	Str.	8	2	
10	E by S.	E.	2	30.03	69	67	66	"	Ci. Cum	9	"	
11	E.	E. N. E.	3	30.03	69	67	66	"	"	9	"	
Mid.	E by N.	"	3	30.03	69	67	66	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander H. S. Ashley, U. S. Navy,

Saturday January 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy but pleasant weather. Gentle to moderate breeze from S.S.E. Bar. steady. Smooth sea. Clear hawse.

Land Gould
Ensign

From 4 to 8 AM. First two hours partly overcast, last two hours clear and pleasant, with light breeze from S.S.E. Smooth sea. Bar. rising. At 6 coal lighters came alongside. Commenced coaling. At 7.20 Hartford made gen. sig. 3350. At 7.45 Prep. sig. 6144. At 7.50 Essex made 4363, Hartford answered 904. Clear hawse.

C. K. Curtis
Lieut.

From 8 AM to Merid. Clear and pleasant. Gentle breeze from S.E. by S. At 12 finished coaling. total coal received 109 tons 1870 lbs. At 10.40 hove into 30 fms. on each chain Clear hawse.

C. B. T. Moore
Ensign

From Merid. to 4 PM. Clear and pleasant, with light breeze from S.E. Smooth sea. At 3.20 made Int. sig. 6144. Answered 904. Crossed T.G. yards. Clear hawse.

C. K. Curtis
Lieut.

From 4 to 8 PM. Cloudy and pleasant. Moderate breeze from E.S.E. to E. Lieutenant Asa Walker U.S. Navy, reported for duty as executive officer of this vessel. Crossed in hawse, port chain on top.

C. B. T. Moore
Ensign

From 8 PM to Mid. Clear and pleasant with light breeze from E.N.E. Bright moonlight. Moon rose at 9.20. Crossed in hawse, port chain on top.

C. K. Curtis
Lieut.

Moons phase 3d Qr Dec N. 6°

Examined and found to be correct.

C. K. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E by N.	E. by N.	2		30.03	67	66	65		b.c.	Cir. Cum	9	S.	
2			"	"	2		30.03	67	66	65		"	"	9	"	
3			"	"	3		30.01	66	65	65		"	"	9	"	
4			"	"	2		30.00	66	63	63		"	"	9	"	
5			N.N.E.	N.E.	2		30.00	68	63	62		b.c.w.	Cir. Str.	9	"	
6			N. by E.	"	1		30.04	68	63	62		b.c.z.	Cir. Cum.	9	"	
7			N.N.E.	"	1		30.04	70	66	64			Cir. Str.	9	"	
8			N.E. by N.	"	1		30.05	71	68	66		b.c.	"	7	"	
9			N.E.	"	1		30.06	70	71	70		"	Cir.	8	"	
10			S.E. by E.	N.N.E.	1		30.06	70	71	70		"	"	8	"	
11			S.E. by S.	N.E.	3		30.06	70	71	70		"	"	8	"	
Noon.			S.E.	E.S.E.	4		30.06	70	71	70		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ☉	°	′	″
Longitude by Chronometer from Forenoon Observations ☉	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ☉ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1300	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S.E. by E.	S.E. by E.	4-5		30.03	70	71	72	70	b.c.	Cir.	7	S.	
2			E.S.E.	E.S.E.	5		30.01	70	71	72	70	"	"	8	"	
3			E by S.	East	5		30.00	70	71	73	71	"	"	7	"	
4			"	E.N.E.	5		30.00	70	72	74	72	"	"	8	M.	
5			E.S.E.	East	5		29.97	70	72	74	71	"	"	9	"	
6			E. by S.	"	5-7		29.96	69	72	73	69	b.c.q.g.	Str.	8	"	
7			E.	"	4-6		29.95	69	72	70	68	b.c.q.	Cum.	9	"	
8			E by N.		3-4		29.95	69	72	70	68		Str.	9	L.	
9			E.	E by N.	4-6		29.95	69	71	70	68	b. q.	None	10	M.	
10			"	E.N.E.	4-6		29.96	68	71	70	68		"	10	"	
11			"	N.E.	5		29.97	68	70	67	64	b.	"	10	"	
Mid.			N.E. by E.	"	4-5		29.97	68	69	64	64	"	"	10	L.	

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations	°	′	″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Sunday, January 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Light to gentle breeze from E by N. Bright moonlight. Cross in hawse, port chain over top.

L. B. T. Moore
Ensign

From 4 to 8 AM. Clear and pleasant. Light breeze from N.E. Bar. rising. Sea smooth. Cross in hawse, port chain over.

L. P. Jouett
Master

From 8 AM to Merid. Clear and pleasant, with light breeze first part of the watch from N.E. & E. freshening latter part from E.S.E. Smooth sea. At 9.20 had division of inspection and at 9.45 the Comdg. Officer inspected ship and crew at quarters. At 10. called all hands to muster, and prayers were read by Comdg. Officer.

L. R. Curtis
Lieut.

From Merid. to 4 PM. Clear and pleasant. Stiff breeze backing from S.E by E. to E.N.E. Barometer falling slowly. Sent a liberty party on shore. Paid a visiting party from the flagship. About 3 P.M. a German Man of War came in and anchored, she saluted Ad. Nichols, and the flagship answered the salute. Cross in hawse, port chain on top. Smooth to moderate sea.

L. P. Jouett
Master

From 4 to 8 P.M. Clear and pleasant, with fresh breeze from E. blowing in squalls. Moderate sea. Long swell. Bar. falling. At 7. Halford made prep. sig. 29 85 - Got up harbor clothes lines. Cross in hawse, port chain on top.

L. R. Curtis
Lieut.

From 8 P.M. to Mid. Clear and pleasant. Stiff breeze from E by N. to N.E. Squally first part of watch. Moderate to smooth sea. Barometer rising slowly. Cross in hawse. port chain over.

L. P. Jouett
Master

Moons phase 3d qr Dec. 28 5'-

Examined and found to be correct.

L. R. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E.N.E.	N.E.	3		29.97	68	64	62		b.	None	10	S.	
2			E. by N.	"	3		29.96	67	63	62		"	"	10	"	
3			N.E.	"	3		29.95	66	62	62		"	"	10	"	
4			N.E. by N.	N.E. by N.	2-3		29.95	66	62	62		b.c.	Str.	9	"	
5			N.	N.N.E.	2		29.95	65	62	62		b.g.	None	10	"	
6			"	"	2		29.95	65	63	63		"	"	10	"	
7			"	"	2		29.95	67	65	65		b.	"	10	"	
8			"	"	2		29.95	68	68	66		"	"	10	"	
9			N by E.	S.	1		29.95	68	68	70		b.g.	"	10	"	
10			N E by E.	N.E.	1		29.94	74	74	72		"	"	10	"	
11			S.E.	S.E.	2-3		29.93	74	74	72		"	"	10	"	
Noon.			"	"	4		29.94	74	74	72		b.c.g.	"	8	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° — ′ — ″

Longitude by D. R. at Noon — ° — ′ — ″

Latitude by Observation at Noon ⊙ — ° — ′ — ″

Longitude by Chronometer from Forenoon Observations ⊙ — ° — ′ — ″

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° — ′ — ″

Variation of the Compass by Azimuth ⊙ observed at — ° — ′ — ″

Water expended during the preceding 24 hours — 200 — gallons.

Water during the preceding 24 hours — " — "

Water remaining on hand fit for use at Noon — 1000 — "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " — "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S.E.	S.E.	3		29.90	73	74	72	72	b.c.	Str.	9	S.	
2			E.S.E.	E.S.E.	3		29.87	75	76	74	74	0.	None	10	"	
3			S.E. by E.	"	3		29.85	76	78	76	76	"	"	10	"	
4			"	"	3		29.83	76	78	76	76	"	"	10	"	
5			E. by S.	"	3		29.83	76	79	74		"	"	10	"	
6			"	"	3		29.83	76	78	74		"	"	10	"	
7			E.N.E.	E.N.E.	3		29.80	76	70	72		b.g.	"	10	"	
8			N.E.	"	3		29.84	73	74	71		b.c.g.	Str.	8	"	
9			"	"	3		29.84	73	74	70		b. bn.	None	10	"	
10			"	"	2-3		29.84	76	74	72		b.m.w.	"	10	"	
11			N.N.E.	N.E.	3		29.81	76	74	72		"	"	10	"	
Mid.			"	N.N.E.	4		29.79	76	74	72		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° — ′ — ″

Longitude by Chronometer from Observations * — ° — ′ — ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° — ′ — ″

Variation of the Compass by at — ° — ′ — ″

under the command of Commander W. S. Schley, U. S. Navy,

Monday, January 13th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Clear and pleasant, with gentle breze from N.E. Smooth sea. Bright moonlight. Cross in Ramee, port chain on top.

C. K. Erwin
Lieut.

From 4 to 8 AM. Clear and pleasant, with gentle breze from N.N.E. Smooth sea. Cross in Ramee, port chain on top. Medical Officer left the ship to render professional services to the Captain of the American barque "Samuel C. Spring" who had shot himself, and on his return, reported the Captain dead. Received fresh provisions on board. Liberty party returned, with the exception of Andrew McGarvey (B. Mstr.) and Henry Nelson (C.T.C.) Followed motions of Flagship, hoisting colors at 5.20, an American ship bound out.

Lauchlan Laughlin
Engineer

From 8 AM to Mid. Clear and pleasant. Smooth sea. Barometer falling slowly. Light N.E. airs first part and fresh breze from N.E. latter part of watch. Recd. on board in Pay. Dept. 4 bbls. pork, 2 tierces beef, 2 bbls. beef, 20 cases beef, 10 cases of pickles, 3 bbls. molasses, 3 boxes soap, 4 boxes butter, 9 pkgs. tea, 2½ bbls. coffee, 80 sacks bread, Gen. W. Kirk (W.T.) rated as W.O. Steward from 9th, inst. inclusive, also rated Laurence Nelson (Cdt.) as W.O. Cook from 10th, inst. inclusive. Enlisted Laurence Nelson as Cdt. for Cruise of "Essex" special service from 9th, inst. inclusive. Fleet Paymaster and Fleet Surgeon came on board and inspected stores and ship. Cross in Ramee, port chain over.

L. P. Jouett
Master

From Mid. to 4 PM. Clear and pleasant. Gentle breze from S.E. Barometer falling. Cross in Ramee, port chain on top. At 1 o'clock made int. sig. 2984. Flagship answered, and made 9 of. At 1.15 int. 6103 Flagship answered and made 9 of. At 2 sent down light sails and unbent, and bent another suit of sails, loosed sail sheeted home the topsails. Furled sail and crossed T. B. yards.

Lauchlan Laughlin
Engineer

4 to 8 PM. Clear and pleasant. Smooth sea. Barometer steady. Fresh breze from E.S.E. and E.N.E. Recd. on board in Pay. Dept. 6 bbls. beans, containing 1200 lbs. and 1 pkg. books containing 50 pair Recd. in Nav. Dept. 6 bbls. Lard oil, containing 240 gals. Cross in Ramee, port chain over

L. P. Jouett
Master

From 8 PM to Mid. Clear, pleasant, and hazy weather. Gentle to moderate breze from E.N.E. Barometer falling. Smooth sea. Cross in Ramee, port chain on top. Bright moonlight. moon rose at 10.20.

Lauchlan Laughlin
Engineer

Moons phase 8d. 9h 57'

Examined and found to be correct.

C. K. Erwin
Lieutenant

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			E.N.E.	North	4-6		29.79	79	73	72		b.q.	None	0	S.	
2			N.E.	"	4-6		29.77	78	72	70		"	"	10	"	
3			N.N.E.	"	4-6		29.76	70	72	70		"	"	10	"	
4					4-5		29.74	73	70	68		b.c.	Str.	9	"	
5			N. by E.	N. by E.	4-5		29.74	72	71	69		"	Cirro Str.	9	"	
6			N.	N.	4-5		29.74	71	71	70		"	"	9	"	
7			"	"	4-5		29.74	72	72	70		"	"	9	"	
8			"	"	4-5		29.73	72	73	72		"	"	9	"	
9			"	N by W.	5		29.71	76	79	75		"	"	7	"	
10			"		5		29.71	78	82	76		"	"	6	"	
11			N.b.W.	N.W.	2-4		29.70	80	82	77		"	"	8	"	
Noon.			S by W.	NWbyN.	2-3		29.68	80	82	78		"	Cir. Cum	6	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ☉	°	′ ″
Longitude by Chronometer from Forenoon Observations ☉	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ☉ observed at	°	′ ″
Water expended during the preceding 24 hours	900	gallons.
Water received during the preceding 24 hours	2100	"
Water remaining on hand fit for use at Noon	2800	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S by W.	NW.	7		29.68	80	82	78		b.c.	Cir.Cum. Nim	6	S.	
2			S.W.	S by W.	7		29.60	82	83	78		b.c.f.	"	4	"	
3			S.E.	E.	7		29.58	82	83	78		"	Cir.Cum	9	"	
4					7		29.56	82	83	78		b.c.	"	9	"	
5			N.N.E.	E.N.E.	7		29.53	80	82	80		b.c.n.	"	6	"	
6			"	N.N.E.	2-3		29.53	80	82	80		"	Cir. Cum. Nimb	2	"	
7					3		29.53	79	81	78		o.c.n.	Cum Nimb	0	"	
8			S.W.	S.W.	3-7		29.56	76	78	75		b.c.l.r.	Nimb	0	"	
9			S.	S.	5-7		29.59	70	70	72		o.l.r.	"	0	M.	
10			"	"	5-6		29.60	71	70	72		"	"	0	"	
11			E.N.E.	E.N.E.	2-5		29.60	71	70	72		o.r.	"	0	"	
Mid.			"	"	3		29.60	71	73	72		o.	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander U. S. Schley, U. S. Navy,

Tuesday, Jany. 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 A.M. Clear and pleasant. Fresh breeze from North, a little squally. Smooth sea. Falling barometer. Crews in hammocks part chain over.

L. P. Jewett
Master

From 4 to 8 A.M. Clear and pleasant. Moderate to stiff breeze from N by E to N. unbent shot chain, got shot anchor inboard and stowed it in hold. Carried away and lost port hawse pipe forward and anchor stanchions. At 7.30 Hoisted ensign made pen. sig. 3350, answered. Recd. 200 gals. fresh water. Confined Chief Mr. Sammy (Boatswain) and Boy Wilson (O.T.C.) in double irons, for overstaying leave twenty four hours, by order of Executive Officer. Crews in hammocks, part chain on top. Smooth sea.

C. B. T. Moore
Ensign

8 A.M. to Mid. Clear and pleasant. Fresh breeze first two hours, decreasing to light breeze from N by W to W by N. Crew in hammocks. Knocked off new side and main tackles, for boarding side battery. By order of the Executive Officer the following punishments were inflicted, viz: H. Kalbfus (O.T.C.) Solitary confinement on bread and water. Offence disobedience of orders and misbehavior. W. C. Robinson (O.T.C.) 2 extra watches. Offence, having naked light in pantry during quarters. C. E. Barclay (O.T.C.) 24 hours extra duty. Offence, positive disobedience of orders. Forwarded accounts of Sheldon Thorbelson (Coloured) to Hospital on shore, to U.S.S. Hartford. Received in Engineer Dept. 11 lbs. of Iron. Sheet rubber. Lt. Commdr. John Schuyler, was detached from this ship, by order of the Commander in Chief, on recommendation of Medical Board, and ordered home, to report his arrival.

Daniel Ingalls
Ensign

Mid. to 4 P.M. Clear and pleasant. Light passing showers during second hour, distant thunder during third hour of watch. Light variable airs. At 1.45 moored ship. Hove up port anchor, and veered into 30 fms. of starboard chain. Making preparations for sea.

C. B. T. Moore
Ensign

4 to 8 P.M. Began pleasant, clearing but cloudy, with light breeze from S. to S.W. becoming variable and threatening; lightning and thunder last hour. Wind came out in strong squall from S.W. at 7.35 with heavy rain. At 4.00 the Senior Naval Officer present fired a salute of 9 guns. At 7.20 ceased firing. At 7.55 let go the port anchor, and moored to 30 fms. on starboard chain, with 30 fms. on port.

Daniel Ingalls
Ensign

8 P.M. to Mid. Overcast and disagreeable. Stiff to very fresh breeze from South. Occasional thunder and lightning. Latter part gradually to stiff breeze from E. by S. Clearing.

C. B. T. Moore
Ensign

Moons phase 3d Qr Dec. 8 13h

Examined and found to be correct,

C. K. Curtis
Lieutenant

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			N. E.	N.E. by N.	V		29.54	71	73	70		b.c.u.	Nimb.	0	S.	
2			E.	"	I		29.57	74	70	70		"	"	0	"	
3			N.E. by N.	N.N.W.	2-3		29.54	74	72	70		"	"	0	"	
4			W by S	W.	V		29.56	74	73	70		b.c.u.	Cir.	1	"	
5			"	S.	V		29.56	74	73	70		"	Cirr. Nimb	2	"	
6			S by W.	"	2-3		29.58	72	70	68		b.c.p.	"	4	"	
7			S.	S.S.E.	3		29.59	71	70	68		b.c.	Cir. Cum	8	M.	
8			"	S.	3		29.60	69	70	68		b.c.d.	Cum. Nim.	6	"	
9			S by W.	"	4		29.62	69	70	68		o.p.	"	0	"	
10			S.	"	4-6		29.66	69	69	67		f	"	0	"	
11			S. W.	S by W.	4-6		29.67	68	68	65		"	"	0	"	
Noon.			"	"	4-6		29.68	67	67	67		"	"	6	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observation at Noon ☉ — ° ' "

Longitude by Chronometer from Forenoon Observations ☉ — ° ' "

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ☉ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 2500 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			S by W.	S by W.	6		29.70	68	67	65		b.c.	Cir. Cum.	5	R.	
2			S. S. W.	"	6		29.72	69	67	65		"	"	8	"	
3			S. by W.	"	6		29.72	68	67	64		"	Cirr. Nimb	8	"	
4			S. S. W.	"	6-8		29.72	67	65	60		b.n.l.	"	0	"	
5			"	"	6-8		29.72	68	60	62		b.c.f.q.	Cum. Nimb	4	"	
6			S. W.	"	5-8		29.74	68	65	62		"	"	4	"	
7			S. W by W.	"	6-8		29.74	69	65	62		b.c.q.	"	4	"	
8			W. S. W.	"	6-8		29.73	69	65	60		"	"	4	"	
9			S. W.	S.	7-9		29.81	69	66	64		"	"	5	"	
10			"	S. W.	7-9		29.80	69	66	64		"	"	4	"	
11			"	S. S. W.	6-8		29.83	69	66	60		"	"	6	"	
Mid.			S. W by W.	"	7-9		29.80	69	66	60		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Wednesday, January 15th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Overcast, cloudy and threatening weather. Wind light and variable in direction. Smooth sea. Clear house.

Saml Leech
Engineer

4 to 8 AM. Hazy, threatening weather first hour, raining second hour. Clear and pleasant remainder of the watch. Light breezes from S. South to Moderate sea. Ptr. driving. Hove up, cattled and fished port anchor, and hove in to 30 fms chain. At 7.55 "Kauffman" made gen. sig. 3350.

L. K. Comstock
Lieut.

8 AM. to Mid. Overcast and disagreeable. Moderate to fresh breeze from S. to SW. Raining frequently [illegible] Steamed four miles to the Northward. Moderate sea. At 11 AM called all hands to "Up Anchor".

C. B. T. Moore
Ensign

Mid. to 4 PM. Clear and pleasant. Very fresh breeze from SbyW. Rough sea. At 12.45 shifted anchorage, letting go starboard anchor in 4 fms water, and moving to 6 fms chain. Moorings at anchor Mount Light N.W. ½ W. and Corner of Custom House N.E. ½ E. Entered Quarantine Office reported Gas House N.E. ½ E. and moored with 45 fms chain at 1.45 PM. Received 6 days provisions. Sent on board Watson (U.S.M.C.) Harvey Wilson (Col'd) and Charles McCarthy (C. Waiter) At 2.30 called all hands to muster, and read the proceedings of Summary Court martial in the cases of John W. Brown (Col'd) and Wm. King (Col'd) and Joshua R. Roberts (Col'd) Reprimanded each prisoner severely and sentenced the following punishments: Wm. King, 5 days solitary confinement in double irons on bread and water, with full rations every second day, and three months extra duty. Joshua R. Roberts, 10 days solitary confinement in double irons on bread and water, with full rations every second day, and three months extra duty. John W. Brown was discharged from custody. Wm. King and J. R. Roberts were made prisoners at large to commence punishment. Five hundred under six bales.

L. P. Jarrett
Master

4 to 6 Cloudy and threatening rain, fresh breeze to moderate gale from SbyW. Rough sea. Five hundred under six bales. At 6 pressure 52 lbs.

Saml Leech
Engineer

6 to 8 PM. Cloudy and cool. Raining in squalls. Fresh breeze to moderate gale from SbyW. Rough sea. Ptr. missing five hundred six bales. At 6 pressure 45 lbs.

C. B. T. Moore
Ensign

8 PM. to Mid. Cloudy and cool. Rainy squalls from S. to SW. Rough sea. Ptr. steady. Commenced distilling at 9.50

L. P. Jarrett
Master

James Shaw Lond-Gpr Dec. 8 18[illegible]

Examined and found to be correct.

L. K. Comstock
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea. Making passage from Montevideo, to Falkland Islands.

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.W by S.	S.W.	6		29.83	69	65	63		b.c.g.	Cir. Cum.	8	R.	
2			S.W.	"	4-6		29.81	68	65	63		"	"	9	"	
3			"	"	4.		29.81	67	64	62		b.c.	Cir.	9	"	
4			"	"	3-5		29.82	67	64	62		"	"	9	"	
5			W.S.W.	W.S.W.	3-5		29.82	66	65	62		"	"	9	S.	
6			"	"	3-5		29.81	67	64	62		"	"	8	"	
7			"	W by S.	3-5		29.82	68	65	62		"	"	8	"	
8			"	"	3-5		29.83	68	67	64		"	"	8	"	
9			Standing down	"	4-6		29.88	68	68	66		"	Cr. Str.	7	"	
10			the river.	"	5-6		29.89	70	70	68		"	"	8	"	Steam as sail.
11			S.E by E.	"	6		29.89	71	72	70		"	"	8	"	Jib, fore sail, fore and main
Noon.	13	0	"	"	6		29.90	71	73	70		"	"	8	"	topsail and T.G. Sails

Distance run by Log since preceding Noon — 13 knots 0 Tenths

Latitude by D. R. at Noon — S 35° 8' 0"

Longitude by D. R. at Noon — W 53° 38' 0"

Latitude by Observation at Noon ⊙ — ° ' "

Long. M. — Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

559 — Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 200 gallons.

Water Condensed during the preceding 24 hours — 300 "

Water remaining on hand fit for use at Noon — 2500 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Tenths	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	10	4	S.S.E by E.	N. by N.	6		29.82	71	74	71	70	b.c.g.	Cir. Str.	7	M.	
2	8	6	S.S.E by E.	"	6		29.77	70	71	68	70	"	"	7	"	Set M. Topsail
3	10	0	S.S.E.	"	6		29.73	71	72	68	70	"	"	6	"	
4	9	8	"	"	6		29.71	72	72	68	70	"	"	7	"	
5	4	5	S.S.E.	"	6		29.70	71	72	69	69	"	"	4	"	420 Set fore to pmast Staysail.
6	6	0	S.½ W.	"	6		29.70	71	72	69	69	"	"	4	"	
7	10	4	"	"	6		29.72	71	69	69		"	"	3	"	
8	9	5	"	"	6		29.72	68	68	69	69	"	"	3	"	
9	9	0	"	"	4		29.71	68	68	69	69	"	"	3	"	Steady 250
10	8	2	"	S.W by S.	4-4		29.77	70	68	66	69	b.o.w.	"	5	S.	
11	8	0	"	"	1		29.77	70	68	66	68	"	Str. Numb	8	"	
Mid.	8	2	"	"	1		29.78	72	68	66	66	"	"	8	"	Steam
	8	0	"	"	1		29.78	72	68	66	66	"	"	8	"	alone.

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ' "

Variation of the Compass by at — ° ' "

under the command of Commander H. S. Ashley, U. S. Navy,

Thursday, January 16th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Clear and pleasant. with fresh to moderate breeze from N. Rough sea. Barp steady. Bright moon light. Fires banked under six boilers. Distilling.

Lieut Commdg

From 4 to 5. AM. Clear and pleasant. Gentle to stiff breeze from S.S.W. to W by S. blowing in squalls. At 8 spread fires. At 7.55 Flagship made sig. 3350. Answered. At 7.45 made int. sig. 6144. Flagship answered 904. At 8 passed 7 Y. Yards. Distilling.

L. K. Curtis
Lieut

8 AM. to Mid. Clear and pleasant. Fresh breeze from W by S. At 8.20 brought to the starboard chain, and hove up anchor, and stood down the river under steam. At 9.25 called all hands & Make sail. At 9.35 made sail to 7 Y. sails, except mainsail and spanker. At 9. made int. sig. 4893. Flagship answered and made 904. Took departure at 11. Flores light house bore (S.S.) N.W. distance 5 miles. Last sight of Flores Island Light at 11.45. Fires under six boilers. Av. st. pres. 60 lbs. Av. rev. 60.

L. P. Quett
Master

From Mid. to 4 P.M. Hazy pleasant weather. Fresh breeze from W by N. Moderate sea. Bar. falling. Secured hammocks for sea. At 1.25 changed course to S.S.E. Made sail and set M. topsail. Fires under six boilers. At 4 pres. 60 Revs 58. Density 204

Lieut Commdg

From 4 to 6 P.M. Clear and pleasant, with fresh breeze from W by N. Moderate sea. Bar. falling. At 4.25 changed course to S. W. Braced up and set F.T. staysail. Density 26.

C. B. T. Horn
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Fresh to Moderate breeze from W by N. At 6.30 furled T Y sails, took single reefs in topsails. On course W½ S. Density sea water 26. Av. rev. 55. Av. st. pres. 53 lbs. At 8 got cast of deep sea lead; bottom at 14 fms. Wind and sea moderating.

L. P. Quett
Master

From 8. AM. to Mid. Clear and pleasant; hazy and cloudy around horizon. Bright starlight. At 8.05 took in and furled all sail. Under steam ¾ power. Pressure of steam 60 lbs. revolutions 51. Took soundings at 10. and 12. 22 fms. gray sand and shell at 10. 26 fms. with blue mud and shell at 12. 11.57 Upon course.

Lieut Commdg

Moons phase Last Q. 5.2d

Examined and found to be correct.

L. K. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea, Making passage from Montevideo to Falkland Islands

Hour.	Knots.	Sheet Log	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	4	S by W.	N.W.	7		29.75	72	67	67	61	b.c.g.r.	Cir. Str.	7	S.	Under steam alone.
2	8	4	"	"	4		29.75	72	65	67	61	b g r.	None	10	"	Set main topsail
3	7	5	"	"	4		29.75	72	65	65	61	b. g.	"	10	"	
4	8	2	"	N.N.W.	5		29.75	71	66	65	61	b c. g.	Str.	8	"	
5	9	0	"	"	5		29.70	69	65	64	61	b. g.	None	10	"	At 4 40 made sail to T'gallants, with T.G. Staysail and Spanker, with fore reef in topsails.
6	9	0	"	"	5		29.68	68	67	63	61	"	"	10	"	
7	6	4	"	N. by W.	5		29.69	68	67	63	61	"	"	10	"	At 6 10 stopped Engine
8	6	4	"	N.W.	5		29.69	67	67	63	61	"	"	10	"	
9	7	2	S by W.	W.N.W.	5		29.66	68	67	63	61	b c g.	Cum. Str.	8	M.	Set all sail single reefed and Hauled to the wind.
10	7	6	"	"	5		29.66	68	67	63	61	"	"	8	"	
11	8	0	"	W by N.	5-6		29.64	71	67	64	66	"	"	8	"	
Noon.	7	6	"	"	5		29.64	71	67	64	66	"	"	8	"	

Distance run by Log since preceding Noon	206 knots 5 tenths fathoms.
Latitude by D. R. at Noon	S 38 · 23 · 00"
Longitude by D. R. at Noon	W 56 · 09 · 00"
Latitude by Observation at Noon ⊙	S 38 · 26 · 46"
Longitude by Chronometer from Forenoon Observations ⊙	W 55 · 48 · 00"
Current during the time ~~4 hours~~ 7 ~~min.~~ per hour setting to the E by S	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	" · "
Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat 37-5-7 S Long 55-38 W	10 · 15 E "
Water expended during the preceding 24 hours	300 gallons.
Water Condensed during the preceding 24 hours	400 "
Water remaining on hand fit for use at Noon	2600 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

P. M.																
1	5	0	S.S.W. ½ W.	W.	3-4		29.67	66	67	66	66	b.c.g.	Cir. Str.	8	S	
2	4	0	S. ½ W.	W. by S.	3-4		29.69	66	66	64	66	"	"	6	"	
3	3	2	"	"	3		29.69	67	66	64	66	"	"	8	"	
4	2	5	S.S.W. ½ W.	W.	2		29.69	68	67	66	66	"	"	9	"	
5	2	4	"	"	1-2		29.70	68	68	67	66	"	"	7	"	
6	1	5	"	N.W. by W.	1-2		29.70	68	68	67	66	"	"	8	S.	
7	3	5	S. W. by S.	N.W.	2-3		29.69	68	67	67	66	b c g.	"	8	"	Daily 26.
8	3	8	"	"	2		29.69	68	66	65	66	"	"	9	"	
9	3	7	S.W. ½ S.	N.N.W.	3		29.69	68	66	65	66	"	"	8	"	
10	4	4	"	"	4		29.68	68	66	64	66	"	"	8	"	
11	5	6	"	"	4		29.68	70	66	64	66	"	"	8	"	
Mid.	6	6	"	"	4		29.66	71	66	64	66	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙	" · "
Longitude by Chronometer from Observations *	" · "
Variation of the Compass by Amplitude ⊙ observed at Sunset	" · "
Variation of the Compass by at	" · "

under the command of Commander W. S. Schley, U. S. Navy,

Friday, January 17th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 AM. Hazy, pleasant weather. Heavy dew first part of watch. Smooth sea. Bar. steady Light breeze from N.W. to fresh breeze from W.N.W. At 2. got a cast of the lead in 27 fms. of water, white sandy bottom. At 2.30 set M. topsail. Mornorse at 12.

C. B. T. Moore
Ensign

4. to 8 AM. Hazy. Pleasant with fresh breeze from W.N.W. to N.W. increasing at end of watch. Smooth sea. Bar. falling At 6.10 stopped the engines, unshipped propeller, hauled fires and four boilers, banked fires under two. Distilling. At 6.40 made sail to G. sails, with F.T. staysail and spanker, one reef in topsails. At 8. changed course to S. by W.

C. K. Lewis
Acting

From 8 AM. to Mid. Hazy and pleasant. Stiff to fresh breeze from W.N.W. to W by N. At 8.45 set mainsail single reefed, and gaff topsail. At 9 commenced distilling. Sounded alarm to fire quarters at 9.28.15 readily as follows. 1st Div. 9.39.20 Nav. Div. 9.40.05. M. G. 9.40.50. 2d Div. 9.40.05. Exercised at fire quarters. Aired bedding. By order of Commander Wm. C. Robinson (Ltd) was given 3 mid watches for attention to duty. Sea moderate Density sea water 26.

Saml Smith
Ensign

Mid. to 4 PM. Clear and pleasant, hazy around horizon. Light to moderate breeze from W. to W by S. Bar. steady. Distilling. Sea smooth. Full and by.

C. B. T. Moore
Ensign

4. to 6 PM. Hazy, pleasant weather Light airs from West. Bar. steady. Light fog bank lying nearly all around the horizon. Smooth sea. Got up and bent F. storm staysail, Mizzen storm staysail and storm mizzen. Distilling

L. P. Jewett
Boatsw

From 6 to 8 PM Clear and pleasant. Hazy around horizon. Long swell from N.W. Light breeze from N.W. By order of Comdg. Officer Samuel Griffin was rated Sea. from Jany 1st inclusive. Fires, banked under two boilers. Distilling. Ab. St. pres. 25 lbs.

Saml Smith
Ensign

8 PM to Mid. Clear and pleasant, hazy about horizon. Gentle to moderate breeze from N.N.W. At 8.10 changed course to S.W.b.S. At 10.55 stopped distilling and hauled fires Bar. steady Long swell from N. & W. Density sea water 26

C. B. T. Moore
Ensign

Moore please test- G[illegible] 28°

Examined and found to be correct.

C. K. Lewis
Lieut

Navigator.

LOG of the United States Steamer "Essex", 3d Rate, 6 Guns,

At Sea, Making passage from Monte Video, to Falkland Islands.

Hour.	Knots	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.															
1	4	S.W½S.	N.W.by W.	3		29.62	69	65	64	66	b.c.z.r.	Str.	8	Sm	Set T.G.M. staysail fore
2	2	S.	N.W.	2-3		29.62	68	65	64	66	"	Str. Mixed	6	"	sail, single reefed topsl.
3	1	S.S.E.	W by N.	1-2		29.62	68	65	64	66		"	7	"	topsails and Spanker
4	1	S by E.		1-2		29.62	68	65	64	66	b.c.z.	Str.	7	"	
5	2	S.S.W.	West	1-2		29.69	68	65	64	66	"	Cir. Str.	6	"	
6	2	S. by W.	W. by S.	1-2		29.70	68	65	64	66	"	"	7	"	Hook out reefs. Set single reefed M. sail and goff to fore sail.
7	2	S.	W.S.W.	2		29.71	67	65	64	66	b.c.z.f.	"	7	"	
8	2	"	"	1-2		29.72	67	66	65	66		"	8	"	
9	3	"	"	3		29.74	67	66	65	63	b.c.f.	"	9	"	Density 26.
10	3	S¼W.	"	3		29.76	66	66	65	63	b.c.	"	8	"	
11	3	S.½E.		3		29.78	65	66	64	63	"	"	8	"	
Noon.	3	S by E½E.	S.W.	3		29.79	65	66	64	62	"	"	8	"	

Distance run by Log since preceding Noon: 77 knots 3 ~~fathoms~~ tenths.

Latitude by D. R. at Noon: S. 39 ° 29 ' 86 "

Longitude by D. R. at Noon: W. 56 ° 85 ' "

Latitude by Observation at Noon ⊙: S. 39 ° 26 ' 48 "

Longitude by Chronometer from Forenoon Observations ⊙: W. 56 ° 18 ' "

Current during the time knots 6 ~~fathoms~~ per hour setting to the Eby N.

Sy. M. 889 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat 39° 24' S Long 56° 18' W. E. 12 ° ' "

Water expended during the preceding 24 hours: 300 gallons.

Water ~~condensed~~ during the preceding 24 hours: 400 "

Water remaining on hand fit for use at Noon: 2700 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

P. M.														
1	3	7	Sby E½E.	S.W.by W.	3		29.80	67	66	64	67	b.c.z.	Cir. Str.	8	Sm	
2	3	7	"	"	3		29.82	67	66	64	67	"	"	8	"	
3	4	0		"	3		29.84	67	66	64	67	"	"	8	"	
4	3	8	S.by E½E.		3		29.83	68	66	64	67	"	"	8	"	
5	3	6	S.½E.	W.S.W.	3		29.83	66	65	64	67	"	"	9	"	
6	3	2	S.	"	2-3		29.83	65	64	62	67	"	"	6	"	
7	1	0		"	3		29.86	67	65	64	67	"	"	7	"	
8	2	8	S.¼E.	"	3		29.88	65	67	61	67	"	"	7	"	Single reefed topsails.
9	1	4	N.W.½W.	"	1-2		29.88	65	66	60	60	b.c.z.r.	"	9	"	
10	1	0	N.W.	"	1		29.88	65	60	61	58	"	"	9	"	
11	1	0	N.W.by W.	W.by S.	1		29.88	65	60	60	56	"	"	9	"	
Mid.	1	4	S.by W.	"	1		29.89	65	61	61	56	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙: ° ' "

Longitude by Chronometer from Observations: ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset: ° ' "

Variation of the Compass by at: ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Saturday, January 18th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Clear and pleasant. Hazy and cloudy around horizon. Smooth sea. Bar. steady. Light breeze from N.W. to W by N. ~~Baffling~~ ~~1.20~~ 2. AM. Taken aback at 1.20, braced around after yards, several times. Hauled up mainsail, set it and again hauled up, took in gaff topsail.

L. P. Jewett
Master

4 to 8 AM. Clear and pleasant. Hazy. Fog bank lying partly around the horizon. Bar. rising steadily. Smooth sea. Light airs to light breeze from West to W.S.W. Density of sea water 25. At 6 o'clock shook reefs out of topsails, and set mainsail single reefed, and gaff topsails

Lam. L. Bradley
Ensign

8 AM. to Merid. Clear and pleasant. Fog bank around the horizon first part of watch. Light breeze from W.S.W. to S.W. Smooth sea. Bar. rising; at ~~noon~~ 29.79 Density 26.

A. B. T. Moore
Ensign

Merid to 4 P.M. Clear and pleasant. Hazy around horizon. Gentle breeze from S.W. by W. Bar. rising. Long swell from S.S.W. At 2.20 made a sail, one point on lee bow. Density sea water 26. Full and by.

L. P. Jewett
Master

4 to 6 P.M. Clear and pleasant, hazy around horizon. Gentle breeze from W.S.W. Bar. steady. Long swell from S.S.W. At 5.35 sighted another sail 2 points on the lee bow. Exchanged colors with AM. whaler "George and Susan". At 6.53 hove to, M. topsail to mast, and communicated.

Lam. L. Bradley
Ensign

6 to 8 P.M. Clear and pleasant. Light breeze from W.S.W. Smooth sea. Bar. rising steadily. The Captain of the "George and Susan", and his wife, came on board at 7.45 they left the ship and we filled away, and stood on close hauled. At 7.15 took one reef in topsails. Density of sea water 25.

A. B. T. Moore
Ensign

8 P.M. to Mid. Clear and pleasant. Hazy around the horizon. Long swell from S.W. Light breeze from W.S.W. to W by S. At 8 backed ship, and at 11. Density of sea water 26.

L. P. Jewett
Master.

Mean Phase Lat. ~~Qu~~ Qu. 32.7°

Examined and found to be correct.

A. K. Lewis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea, Making passage from Monte Video, to Falkland Islands.

Hour.	Knots. Tenths.	Courses Steered.	Wind. Direction.	Wind. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.															
1	0 5	S.	N. S. W.	1		29.88	66	61	61	56	b.c.m.q.	Cirrostr.	8	S.	T.Ls. sails single reefed topsails, Jib, F.S. Staysail and M. sail.
2	0 5	"	"	1		29.86	68	61	60	56	"	"	8	"	Hauled up M. sail
3	0 5	S. ½ W.	"	1		29.86	68	61	60	56	"	"	7	"	Sounded Spanker and F.topmast
4	0 5	"	"	1		29.84	68	60	60	56	"	"	7	"	
5	1 5	S.W.	N. by W.	2		29.84	65	59	58	56	"	Cir. Str.	8	"	
6	1 5	"	"	2		29.88	66	60	60	56	b.c.	"	8	"	
7	2 0	"	N. N. W.	2		29.88	66	60	60	56	"	"	7	"	
8	3 5	"	N. W.	3		29.90	63	60	60	56	"	"	8	"	
9	5 5	"	N. W. by N.	4		29.90	62	61	61	56	"	"	6	"	
10	6 5	"	N. W.	3-4		29.90	63	62	62	56	"	"	5	"	
11	5 5	"	N. W. by N.	4		29.90	63	63	62	56	"	"	4	"	
Noon.	5 2	"	N. W.	3-4		29.88	64	64	63	56	"	"	5	"	

Distance run by Log since preceding Noon: 62 knots 8 Tenths

Latitude by D. R. at Noon: S. 40° 11' 30"

Longitude by D. R. at Noon: W. 56° 54' "

Latitude by Observation at Noon ⊙: S. 40° 2' "

Longitude by Chronometer from Forenoon Observations ⊙: W. 56° 34' "

Current during the time 0 knots 7 ~~tenths~~ per hour setting to the N E by E

Variation of the Compass by Amplitude ⊙ observed at Sunrise: ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lat 39° 55' S Long 56 11 W: 8 11 ° 20' "

Water expended during the preceding 24 hours: 300 gallons.

Water during the preceding 24 hours: "

Water remaining on hand fit for use at Noon: 2400 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

P. M.														
1	3 7	6 S.W. ½ W.	N. W.	3		29.85	65	65	65	61	b.c.	Cir. Str.	6	D.
2	5 7	"	"	4		29.84	65	66	65	61	"	"	6	"
3	4 7	"	N. W. by N.	2-3		29.82	65	67	66	61	"	"	4	"
4	1 0	"	Baffling	0-1		29.82	66	68	68	60	"	"	6	"
5	Hostenage way		Calms	0		29.82	67	68	68	61	"	"	6	"
6	"	"	"	0		29.82	68	67	67	61	b.o.g.	"	6	"
7	"	"	"	0		29.82	67	67	66	61	"	"	5	"
8	0 5	S.W. ½ W.	S.E. by S.	1		29.83	67	65	64	61	"	"	5	"
9	0 5	S.W.	S.E.	0-1		29.86	67	64	64	61	b.c.g.or.	"	8	"
10	0 5	"	E.	0-1		29.87	68	64	64	61	b.g.m.	None	8	"
11	0 5	"	S.S.E.	0-1		29.87	68	63	63	61	"	"	8	"
Mid.	1 5	"	"	1		29.87	67	62	62	61	"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙: ° ' "

Longitude by Chronometer from Observations *: ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset: ° ' "

Variation of the Compass by at: ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Sunday January 19th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and very damp. Hazy around horizon. Light airs from N. & W. At 12.20 hauled up mainsail, took in spanker and gaff topsail. At 1.10 morn rose. Density sea water 25.

Saml Leslie
Ensign

4 to 8 AM. Clear and pleasant. Hazy around horizon. Light airs from N. by W. to N.W. Bar. rising. Smooth sea. At 5.45 ordered royal yards, shook reefs out of topsails and made sail to royals. Two whaling ships in sight. Hydrometer broken by accident.

L. R. Curtis
Lieut.

8 AM to Mid. Clear and pleasant. Gentle to moderate breeze N.W. Bar. steady. Smooth sea. Divisional inspection at 9.45. At 10. the Comdg. Officer inspected ship and crew at quarters. Prayers immediately afterwards. Two whaling vessels in sight.

L. P. Jewett
Master

Mid to 4 PM. Clear and pleasant. Hazy around horizon, and fog bank to S.E. & E. Light breeze from N.W. first three hours of watch. Light baffling airs last hour. Braced around twice. Took in mainsail at 3.25. Smooth sea. At 12.40 changed course to S.W.½W. At 3.50 took in spanker and gaff topsail. Two sails in sight during watch.

Saml Leslie
Ensign

4 to 6 PM. Cloudy and pleasant. Calm. Hazy. No steerage way. Density of sea water

C. B. T. Moore
Ensign

6 to 8 PM. Pleasant weather. Light air. Sh. clouds. Hazy. Calms and light airs. Bar. rising. Smooth sea.

L. P. Jewett
Master

8 PM. to Mid Clear and pleasant. Thick haze around the horizon. Damp. Smooth sea. Bar. steady. Light airs from S.S.E. to E. At 8. changed course to S.W.

Saml Leslie
Ensign

Mean of Sphere Lat. Qr. Dec S 20°

Examined and found to be correct.

L. R. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea, Making passage from Monte Video, to Falkland Islands

Hour.	Knots.	Miles.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	0	S.W.	S.S.E.	2-3		29.87	65°	60	60	59	b.g.w.	None	10	S.	All plain sail except
2	3	6	"	"	3		29.88	65°	60	60	59	"	"	10	"	mainsail, Spanker and S.t.sail
3	4	4	"	"	3		29.88	64	59	59	59	"	"	10	"	& Skysail At 12 ock M.d.
4	4	5	"	S.E.	5		29.88	64	59	59	60	b.c.w.	Mr.	9	"	
5	3	3	"	"	2		29.91	65°	60	60	68	b.c.	"	9	"	
6	2	8	"	"	2		29.94	65°	60	60	60	"	"	9	"	
7	3	2	"	"	2		29.92	65°	60	59	60	"	"	9	"	Let Spanker and
✱8	4	0	"	"	3		29.94	65°	60	59	60	"	"	9	"	S.t.sail.
9	4	5	S.W.¼W.	S.E. by S.	3		30.00	64	61	60	60	"	"	9	"	
10	4	7	S.W.	S.E. by S	3		30.02	65°	61	60	60	"	"	9	"	
11	4	5	"	S.E.	3		30.13	65°	62	62	60	b.	None	10	"	
Noon.	4	0	"	S.E.	3		30.04	65°	63	62	60	"	"	10	"	

John P. Cheshire
Sailmaker

Distance run by Log since preceding Noon 62 knots 8 Tenths

Latitude by D. R. at Noon S 40° 37' 36"

Longitude by D. R. at Noon W 57° 41' 45"

Latitude by Observation at Noon ⊙ S 40° 31' 25"

Longitude by Chronometer from Forenoon Observations ⊙ W 57° 45' 56"

Current during the time knots 3 tenths per hour setting to the N.N.W.¼W.

Lyon No 576 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. { Lat-S 40-21-57 / Long W 57-26-14 } E 11° 10' "

Water expended during the preceding 24 hours 700 gallons.

Water during the preceding 24 hours " "

Water remaining on hand fit for use at Noon 4400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	2	6	S.W.												
2	0	8	S.W.¼W.	East	2	30.04	64	66	65°	60	b.	None	10	S.	
3	3	5	"	"	3	30.04	64	66	65°	60	"	"	10	"	
4	2	8	S.W.	"	1-2	30.04	64	66	65°	60	"	"	10	"	
5	2	3	"	"	1-2	30.04	65°	66	65°	60	"	"	10	"	
6	2	2	"	E.N.E.	1-2	30.04	65°	64	64	63	"	"	10	"	Took in Spanker & topsail
7	2	0	"	"	1	30.04	65°	65°	65°	62	"	"	10	"	Mainsail S.t.sail and Jib.
✱8	1	5	"	N.E.	1	30.04	65°	66	65°	64	b.g.	"	10	"	
9	1	0	"	"	1	30.04	65°	67	65°	64	"	"	10	"	
10	0	8	"	"	1	30.04	68	65°	64	64	b.g.w.	"	10	"	
11	1	3	"	"	1	30.04	68	65°	64	64	"	"	10	"	
Mid.	2	6	"	"	1-2	30.04	68	65°	64	64	"	"	10	"	
	2	0	"	"	1-2	30.03	68	65°	64	64	"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Monday, January 20th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Hazy, pleasant weather. Bright starlight. Very heavy dew. Smooth sea. Bar steady. At 12.12 set mainsail, under all plain sail ~~with~~ & F.J. staysail, except spanker and and gaff topsail. Hove to at 2.20.

C. B. T. Moore
Ensign

4 to 8 AM. Clear and pleasant. Light to gentle breeze from S.E. At daylight made two sails on the beam, standing to S. & W. At 6.55 set spanker and gaff topsail

L. R. Lewis
Lieut.

8 AM. to Merid. Clear and pleasant. Gentle breeze from S.E. by S. to S.E. Smooth sea. Bar. rising. At 9.15 sounded the call to general quarters. Divisions reported as follows 1st Div. 4 m. 5 s. 2d Div. 3 m. 25 s. Stan. 3 m. 3 s. Powder 8 m. 10. M.G. 7 m. 5 s. Engrs. 1 m. 25 s. Secured in 1 m. 25 s. Exchanged colors with two German barques, standing to S. & W. Inspected bags. A number of albatrosses, cape hens and gulls about ship, also several schools of porpoises.

Lawr. Lynch
Ensign

Merid. to 4 P.M. Clear and pleasant. Smooth sea. Bar. steady. Light to gentle breeze from East. At 12.45 changed course to S.W½W. At 3 changed course again to S.W.

C. B. T. Moore
Ensign

4 to 6 P.M. Clear and pleasant. Smooth sea. Bar. steady at 30.04. Gentle breeze from E.N.E. Two sails in sight during the watch.

E. P. Jarrett
Master

6 to 8 P.M. Clear and pleasant. Hazy around horizon. Light airs from N.E. At 6.45 took in mainsail, spanker, gaff topsail, F.J. staysail and J. jib. Smooth sea. Bar. steady 30.04.

Lawr. Lynch
Ensign

8 P.M. to Mid Clear and pleasant. Heavy dew and hazy around horizon. ~~Light breeze~~ Fresh N.E. Smooth sea. Bar. steady 30.05.

C. B. T. Moore
Ensign

Moons phase Last Q^r Dec. 8 24^h

Examined and found to be correct.

L. R. Lewis
Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea, Making Passage from Mariveles to Falkland Islands

Hour.	Knots.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State at the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in 1/10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.															Jib, foresail, topsails & lgt sails, comfo.
1	1 5	S.W.	N.E.	0-1		30.05	67	65	65	64	b.g.m.	None.	10	D.	
2	1 6	"	"	1-2		30.05	67	65	65	64	"	"	10	"	
3	1 5	"	"	1-2		30.05	67	65	65	64	"	"	10	"	
4	2 0	"	"	1-2		30.05	67	64	64	64	"	"	10	"	
5	2 0	"	"	1-2		30.05	67	65	65	63	"	"	10	"	
6	1 5	"	"	1-2		30.05	67	65	65	63	b.	"	10	"	
7	1 2	"	"	1-2		30.06	68	66	66	63	"	"	10	"	
8	1 5	"	"	1-2		30.08	68	67	66	63	"	"	10	"	
9	1 0	"	"	1-2		30.08	69	68	66	63	"	"	10	"	
10	1 0	"	"	1		30.08	69	68	66	63	"	"	10	"	
11	1 5	"	"	1		30.08	69	68	66	63	"	"	10	"	
Noon.	1 8	"	"	1		30.10	71	71	67	63	"	"	10	"	

Distance run by Log since preceding Noon 42 knots 9 tenths

Latitude by D. R. at Noon S 40° 55' 07"

Longitude by D. R. at Noon W 58° 33' 01"

Latitude by Observation at Noon ☉ S 40° 54' 32"

Longitude by Chronometer from Forenoon Observations ☉ W 58° 42' 25"

Current during the time knots .17 tenths per hour setting to the NW½W

1gr W Variation of the Compass by Amplitude ☉ observed at Sunrise

5°76 Variation of the Compass by Azimuth ☉ observed at 8 A.M. { Lat S 40-57-38 / Long W 58-36-37 } E 11°

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.															
1	1 8	SW	S.W.½S.	N.E.	½	30.10	71	74	72	65	b.	None	10	D.	Set foresail & topsail
2	3 0	"	"	"	3	30.09	69	71	70	66	"	"	10	"	
3	3 2	"	"	"	3	30.07	69	70	69	66	"	"	10	"	
4	3 0	"	"	"	3	30.07	69	72	70	67	"	"	10	"	
5	3 0	"	"	"	3	30.07	69	73	72	66	"	"	10	"	
6	3 0	"	"	N.E by N.	3	30.07	70	73	72	66	"	"	10	"	
7	3 4	"	"	N.N.E.	3-4	30.05	69	71	70	66	"	"	10	"	
8	4 0	"	"	"	4	30.04	69	68	68	65	"	"	10	"	
9	4 3	"	"	"	3	30.03	68	68	68	65	"	"	10	"	
10	4 2	"	"	"	3	30.02	71	68	68	65	"	"	10	"	
11	4 6	"	"	"	4	30.01	71	68	68	65	"	"	10	"	
Mid.	5 ½	"	"	"	4	30.00	71	68	68	66	b.f.	"	10	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude ☉ observed at Sunset

Variation of the Compass by ... at

under the command of Commander H. S. Schley, U. S. Navy,

Tuesday, January 21st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Clear and pleasant. Hazy around the horizon, and very damp. Smooth sea. Bar. steady. Light airs to light breeze from N. E. Steering S.W. under jib, fore sail, topsails, to'gt sails and royals. Moon rose at 3.50.

L. P. Jewett
Master

4 to 8 AM. Clear and pleasant. Smooth sea. Light breeze from N.E. Bar. rising 30.08 At 8. steering S.W. No change made in sail. The two sail we sighted yesterday, sighted at 4 AM. about 2 points on fort bow.

L. K. Lewis
Lieut.

From 8 AM to Mid. Clear and pleasant. Light airs from N.E. Smooth sea. At 9.15 inspected at quarters. At 10. had dress parade. August Gross and E. D. Darragh were rated from O.S. 2 Cl. to O.S. from the 1st inst. in lieu of vac. by order of Comdg. Officer.

L. B. B. Moore
Ensign

Mid. to 4 P.M. Clear and pleasant. Gentle breeze from N.E. Smooth sea. Bar. falling. At 1.20 set spanker and gaff topsail

L. P. Jewett

4 to 6 P.M. Clear and pleasant, with light breeze from N.E. & N.E. by N. Bar. falling Smooth sea.

Lucien Young
Ensign

6 to 8 P.M. Clear and pleasant, with light increasing breeze from N. N. E. Steering S.W. ½ S. under jib, royals, T.G. sails, topsails, fore sail, spanker and gaff topsail. Smooth sea. Bar. falling 30.03 at 8 o'clock

L. B. B. Moore
Ensign

8 P.M. to Mid. Clear and pleasant. Gentle to moderate breeze from N.N.E. On course S.W. ½ S. Hazy around Horizon.

L. P. Jewett
Master

Moore [illegible] Last Qr Sec 8 21'

Examined and found to be correct.

L. K. Lewis
Lieutenant

Navigator.

LOG of the UNITED STATES Steamer "Esex", 3d Rate, 6 Guns,

At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	Knots.	Distance.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperatures. Air Dry Bulb.	Temperatures. Air Wet Bulb.	Temperatures. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	8	S.W½S.	N by W.	5-6		29.95	68	65	64	64	b.f.	-	0	S	Set mainsail
2	6	5	"	"	5		29.97	68	64	66	60	"	-	0	"	
3	5	5	"	"	5		29.95	67	64	64	64	"	-	0	"	
4	5	6	"	N.N.W.	4		29.95	67	67	64	64	"	-	0	"	
5	5	6	"	N.	4		29.93	66	64	64	64	o.fm.	-	0	"	
6	5	8	"	"	5		29.92	66	64	64	64	"	-	0	"	
7	7	5	"	"	6		29.95	66	64	64	64	"	-	0	"	
8	8	0	"	"	6		29.93	65	64	64	64	"	-	0	"	
9	6	8	"	N.N.	4		29.94	65	64	64	64	fm.	-	0	"	
10	6	6	"	N.N.W.	4		29.92	65	65	65	64	"	-	0	"	
11	7	2	S.W by S.	"	4		29.90	66	65	65	64	"	-	0	"	Set F.T. staysail
Noon.	8	2	"	"	4		29.87	66	65	65	64	o.g.	Cir. Nimbs	0	"	

S 41-42 W 60-00

S 42-02 W 60-32

Distance run by Log since preceding Noon	122 knots 3 tenths.	
Latitude by D. R. at Noon	S 42° 13' 8"	
Longitude by D. R. at Noon	W 60° 47' 25"	
Latitude by Observation at Noon ⊙	S 42° 16' 81"	
Logg'd 5-75 Longitude by Chronometer from Forenoon Observations ⊙	W 60° 52' 29"	
Current during the time knots 2 tenths. per hour setting to the S W½W		
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "	
Variation of the Compass by Azimuth ⊙ observed at	° ' "	
Water expended during the preceding 24 hours	300 gallons.	
Water during the preceding 24 hours	"	
Water remaining on hand fit for use at Noon	1600 "	
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Hour.	Knots.	Distance.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperatures. Air Dry Bulb.	Temperatures. Air Wet Bulb.	Temperatures. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	4	4	a.W by S.	N.N.W.	5		29.87	68	67	66	64	b.c.g.	Cir. Nimbs	1	M.	Hauled down F.T.staysail
2	6	2	a.S.W½W.	"	5		29.85	68	67	66	64	"	"	5	"	
3	6	5	"	"	5		29.84	70	67	66	65	"	"	5	"	
4	6	6	"	"	5		29.82	70	67	66	65	"	"	7	"	
5	7	4	"	"	5-6		29.77	67	67	66	65	"	"	5	"	Took in royals
6	7	5	"	"	6		29.72	67	67	66	65	"	"	7	"	
7	8	0	"	"	6		29.72	67	67	66	65	o.c.	"	0	"	Took in spanker and got to sea: took in sails and set on fore & aft
8	6	4	"	N.W by N.	7		29.69	68	68	66	63	"	Nimbs Str.	0	"	
9	5	8	S.S.W.	N.W.	7-8		29.69	68	67	67	65	"	"	0	"	
10	7	0	"	N.W by N.	6-7		29.69	68	66	68	65	b.c.	Str.	8	"	
11	7	0	"	"	7		29.66	68	66	68	65	"	"	8	"	
Mid.	6	0	"	"	7		29.64	68	68	67	65	b.c.l.	"	8	"	

S 42-37 W 61-36

Longitude by Chronometer from Afternoon Observations ⊙	° ' "	
Longitude by Chronometer from Observations	° ' "	
Variation of the Compass by Amplitude ⊙ observed at Sunset	° ' "	
Variation of the Compass by at	° ' "	

under the command of Commander W. S. Schley, U. S. Navy,

Wednesday, January 22d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Overcast, rain, and disagreeable weather, heavy fog lifting somewhat last hour. Fresh to moderate breeze decreasing in force. Bar. falling. At 2.30 set mainsail.

Lawrence Sperry
Surgeon

4 AM. to 8 AM. Overcast, foggy, and misty. Very damp. Bar. steady. Smooth sea. Fresh breeze from North. Annular eclipse of sun visible at times - lower limb partly obscured.

C. B. T. Moore
Ensign

8 AM. to Merid. Overcast, and misty. Moderate breeze from N.N.W. Smooth sea. Bar. falling, 29.87 at noon. Confined in double irons John Delmon (O.S.) Offence, answering back. Exercised 1st and 2d Div. and Marine Guard at great guns. At 10 changed course to W.N.W. by S. At 11.15 set F.S. staysail. Under all plain sail, except flying jib. one reef in mainsail.

L. P. Jewett
Master

Merid. to 4 P.M. Cloudy and pleasant. Stiff breeze from N.N.W. At 12.40 changed course to S.S.W. 3/4 W. At 1 hauled down F. topmast staysail. A remarkably large school of porpoises playing around the ships. Hazy atmosphere. Moderate sea setting from N.E. to W.

Lawrence Sperry
Surgeon

4 to 6 P.M. Cloudy but pleasant weather. Fresh breeze from N.N.W. Moderate sea. Bar. falling. At 5.20 took in royals. A board of survey met in Pay. Dept. to inspect coffee. Recommended that the coffee be condemned, and ~~recommended to~~ be turned into slop.

C. B. T. Moore
Ensign

6 to 8 P.M. Overcast. Stiff breeze to moderate gale from N.N.W. and N.W. by W. Moderate sea. Falling barometer. At 7 called all hands, took in spanker and gaff topsail, took two reefs in topsails and one in foresail.

L. P. Jewett
Master

From 8 P.M. to Mid. Overcast first hour of watch. Clear starlight remainder. Lightening in S. last hour. Fresh breeze from N.W. to N.W. by N. Moderate sea. Bar. falling. At 8.15 changed course to S.S.W. At 11.20 took in and furled mainsail. Close reefed F. topsail

Lawrence Sperry
Master

Noon Latitude New Moon S 17'

Examined and found to be correct.

C. K. Lewis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer 'Essex', 3d. Rate, 6 Guns,

At Sea. Making passage from Monte Video to Falkland Islands

Hour.	Knots.	Fathoms	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	6	5	S.S.W.	N.W.	6-7		29.63	71	68	66	65	b.c.l.	Cir. Nimb	6	M.	Close reefed topsail
2	6	1	"	"	6-7		29.61	71	68	66	65	"	"	5	"	single reefed fore and
3	6	2	"	"	6-7		29.61	71	68	66	64	"	"	4	"	Mainsail and Spanker
4	5	6	S.W by W. 3/4 W.	N.N.W.	6-7		29.61	71	68	66	64	"	"	4	"	
5	3	0	S by W.	N.W.	3-5		29.63	68	66	66	64	o-c.	Cir. Cum. Nimb	0	"	
6	5	0	S.S.W.	N.W. by N.	4-6		29.58	68	67	66	64	"	"	0	"	
7	4	8	"	"	4-5		29.56	68	67	66	64	"	"	0	"	Set M sail. Shook reefs out
8	4	5	"	"	4-5		29.57	67	67	64	64	"	"	0	"	of topsail, bibb sails.
9	4	0	"	Var.	3-4		29.57	67	67	66	64	"	Mist. Str.	0	"	Took in M. sail.
10	4	0	"	N.W. by N.	4-5		29.57	66	67	66	64	"	"	0	"	Set M. sail
11	5	5	"	"	4		29.53	66	67	66	64	o.c.z.	"	0	"	Hoisted Js'l, Spanker and
Noon.	5	7	"	W.	3-4		29.57	66	67	66	64	o.c.z.f.t.	Mists Cirri.	0	"	gaff topsail.

S 44-01 W 62-32

Distance run by Log since preceding Noon 143 knots — ~~fathoms~~.

Latitude by D. R. at Noon S 44 · 4 · 37"

Longitude by D. R. at Noon W 63 · 1 · 29"

Latitude by Observation at Noon ⊙ S 44 · 14 · 56"

By No 3 75" Longitude by Chronometer from Forenoon Observations ⊙ W 62 · 49 · 32"

Current during the time knots 5 ~~fathoms~~ per hour setting to the S.E½S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. { S 44-01-08 / W 62-32-08 } 2 14 · 55" "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Fathoms	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	3	2	S.E.	Var.	3-6		29.57	67	66	66	64	o.z.q.	Mists Cirri	0	M.	
2	2	8	W by N½ N.	S.W by S.	4-6		29.53	67	65	64	64	"	"	0	"	Shook reefs out of topsails
3	3	0	N.E½E.	"	5		29.54	66	66	64	64	b.c.q.	Cirri. Mists	1	"	and set T. G. sails
4	4	5	S.E by E.	S.S.W.	5-6		29.58	66	65	65	64	b.c.	Cirri. Mists	4	S.	
5	6	4	S.E by E.	S.	6		29.56	66	65	64	64	b.c.	"	4	"	
6	7	2	S.E by S.	"	6		29.57	67	64	63	64	"	"	4	M.	Took in gaff topsail
7	3	8	S.W½W.	S.S.E.	5-6		29.64	67	63	62	64	"	"	3	"	spanker, set Mainsail and
8	2	0	S.W.	Var.	0-3		29.68	67	64	67	64	"	Cirri Mists	2	S.	double reefed topsails.
9	1	1	S.W by W½W.	E. by S.	2-3	½	29.71	67	63	67	64	o.c.	"	0	"	Set Main sail and
10	2	0	S. by W.	E.S.E.	3	½	29.72	67	62	67	64	o.c.l.	Mists.	0	"	Spanker
11	2	5	"	"	6-7	½	29.72	66	61	61	64	"	"	0	M.	Hauled down jib took
Mid.	2	0	S.½W.	"	4-6	½	29.73	66	61	61	64	"	"	0	M.	in spanker.

S 44-32 W 62-37

Longitude by Chronometer from Afternoon Observations ⊙ " " "

Longitude by Chronometer from Observations * " " "

Variation of the Compass by Amplitude ⊙ observed at Sunset " " "

Variation of the Compass by at " " "

under the command of Commander W. S. Schley, U. S. Navy,

Thursday, January 23d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy and pleasant. Continuous flashes of lightning appearing in S.E. horizon. Fresh to very fresh breeze from N.W. at 3.30 shifted suddenly to W.S.W. then gradually veered to W.N.W. Moderate sea and long swell from N.E. & W.E. Bar. steady. At 4. Course S.S.W. Atmosphere very dry.

C. B. F. Moore

4 to 8 AM. Overcast, cloudy, damp and disagreeable. Moderate to stiff breeze from N.W. by N. to N.N.W. Baffling. first hour of watch, shifting from W.S.W. to N.N.W. Moderate sea. Bar. falling. Set mainsail at 7.57

C. K. Brown
Lieut.

From 8 AM. to Mid. Overcast, cloudy and damp, gentle to stiff breeze throughout watch from N.W. by N. to W. Wind variable first hour. Bar. steady. Moderate sea. Thunder and freezing rain. Showers last hour of watch. At 8.05 took in mainsail, at 9.40 set mainsail. At 10. hoisted jib and set spanker and gaff topsail. At 9.15 mustered and inspected at quarters. Exercised A. Company at single sticks, and Marines at small arms. Rove off new topsail sheets

Lamb Schley
Cmdr

From Mid. to 4 P.M. Overcast and squally first part of watch. Clear and pleasant last hour., fresh breeze from N.E. & W.N., dying down at end of watch. Moderate to smooth sea. Bar. rising. At 2 sighted a sail to S.E. At 1.10 wore ship to N.E. and took in S.G. sails. At 1.45 shook one reef out of topsails At 2.45 wore ship. At 3. set S.G. sails. At 3.20 shook reefs out of topsails.

C. B. F. Moore
Cmdr

From 4. to 6 P.M. Cloudy and pleasant. Fresh breeze from South. Full and by. Moderate sea. Long swell from N.E. & E.S.E.

L. P. Jewett
Master

From 6 to 8. P.M. Cloudy. First hour wind fresh from S.S.E., baffling and variable last hour. Calm at times. At 6.18 wore ship to N.E. & W.N., took in gaff topsail. At 7 took two separate reefs in the topsails. Took in mainsail. Bar. rising.

Lamb Schley
Cmdr

From 8 P.M. to Mid. Overcast, cloudy, lightning. Light to fresh breeze from E.S.E. South to moderate sea. Bar. rising. Steering by the wind first three hours. Steering course last hour. At 8.30 set mainsail and spanker. At 9.45 took in spanker, and hauled down jib.

C. B. F. Moore
Cmdr

Moons place. Jan 23d 9h N. Dec. S 12°

Examined and found to be correct.

C. K. Lewis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

On Sea. Making passage from Monte Video, to Falkland Islands.

Hour.	Knots.	Fathoms Stream	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	2½	9	S. ½ W.	E. by S.	5		29.74	65°	60	60	62	b.c.m.r.	Mixed Cum.	0	S	Double reefed topsails, single
2	3	0	"	"	6		29.69	65°	61	60	62	"	"	0	"	reefed Courses, F.S.M. staysail
3	3	1	"	"	6		29.68	65	61	60	62	b. c.	Mixed Str.	6	M.	
4	3	7	"	"	5°		29.70	65	61	60	62	"	Cir. Str. Mixed	2	"	
5	3	5°	"	E.	5°		29.72	66	61	60	62	"	"	4	"	Shaken out reef out of topsails
6	4	0	"	E. by N.	5		29.76	66	61	60	62	"	"	4	"	set jib, spanker, and S.T. staysail
7	4	8	"	"	5		29.76	66	61	60	62	"	"	4	"	
8	5°	4	"	"	5°		29.74	66	61	60	62	"	"	5°	"	Set royals and
9	6	2	"	"	5°		29.78	65°	63	62	62	"	Cir. Cum.	6	"	flying jib.
10	6	2	"	"	4-5°		29.74	65	63	62	62	"	Cir. Mixed	5°	"	
11	5°	2	"	"	3-4		29.78	64	62	60	62	"	"	3	"	
Noon.	7	5°	"	E.	4-6		29.75	64	62	60	62	"	"	2	"	

S 43-00 W 63-01

Distance run by Log since preceding Noon	76	knots	3 lengths ~~fathoms~~.
Latitude by D. R. at Noon	S 45 · 27 · 38	"	
Longitude by D. R. at Noon	W 63 · 17 · 14	"	
Latitude by Observation at Noon ☉	S 45° · 23 · 38	"	
Longitude by Chronometer from Forenoon Observations ☉	W 63 · 14 · 15	"	
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	° '	"	
Variation of the Compass by Azimuth ☉ observed at 8 A.M. S 43-00 W 63-1	E 16 · 25°	"	
Water expended during the preceding 24 hours	300	gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at Noon	1000	"	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

Lg. No. 8-61

P. M.																
1	6	5°	S. ½ W.	E.N.E.	4		29.75	64	63	62	61	b.c.q.	Cir. Str.	6	M.	
2	6	0	"	"	6°		29.72	64	63	62	61	"	"	7	"	
3	6	2	"	N.E.	4-5°		29.70	64	63	62	61	b.c.	"	7	"	
4	5°	4	"	N.N.E.	4		29.70	64	63	62	61	"	"	7	"	Hauled down jib, and
5	4	5°	"	N.	3-4		29.68	65	62	62	60	"	"	6	"	d.d. staysail.
6	3	5°	"	"	3		29.67	65	63	63	60	"	"	6	"	Took in mainsail
7	4	4	"	"	3		29.64	64	63	63	60	"	"	7	S	spanker and S.T. topsail
8	2	2	"	"	1		29.66	67	63	63	60	"	"	7	"	Furled royals, single
9	1	4	S.	E.N.E.	1		29.65	66	61	60	60	"	Cir. Mixed	3	"	reefed topsails.
10	3	2	"	N.E.	2		29.65	66	61	60	60	b.c.m.	Mixed.	1	"	
11	3	4	"	N.	2		29.65	66	61	60	60	"	"	2	"	
Mid.	2	8	"	"	2		29.68	66	61	60	60	"	"	3	"	

S 42-57 W 63-34

Longitude by Chronometer from Afternoon Observations ☉	° '	"
Longitude by Chronometer from Observations ☽	° '	"
Variation of the Compass by Amplitude ☉ observed at Sunset	° '	"
Variation of the Compass by at	° '	"

under the command of Commander H. B. Schley, U. S. Navy,

Friday, January 24th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Overcast and misty with rain to windward first two hours of watch. Clearing up last two. Fresh breeze from E. by S., moderating at end of watch. Moderate sea. Long swell from N.E. & E. Bar. unsteady. Steering S. ½ W. under double reefed topsails, single reefed course and S.W. staysail

L. P. Jewett
Master

4. to 8 AM.: Cloudy and pleasant. Stiff breeze from E by S. veering to E. by N. Long swell from N.E. Cross sea. Bar. rising at 5.00 Shook one reef out of topsails, and set jib and spanker. At 7.00 set T.G. sails.

E. K. Lewis
Lieut.

8 AM. to Merid. Cloudy but pleasant weather. Gentle to fresh breeze from E. by N. to E. Bar. falling last hour. Long swell from E.N.E. At 8.15 shook one reef out of the topsails, and set gaff topsail. At 10. set mizzen and flying jib. Steering on the course S. ½ W.

E. B. T. Moore
Ensign

Merid. to 4 PM. Clear and pleasant. Moderate to stiff breeze from E.N.E. to N.N.E. Moderate sea. Bar. falling. At 1 luffed up, and got a cast of the deep sea lead, at 55 fms. on white sandy bottom. At 1.20 shifted fires under two boilers, for distilling. At 3.45 hauled down flying jib, and furled topmast staysail. Steering course.

L. P. Jewett
Master

4 to 6. PM. Clear and pleasant with moderate breeze from N. moderating in force at end of watch. Moderate sea. Bar. falling. At 4.20 commenced distilling. At 4.45 took in mainsail, spanker and gaff topsail, The wind having veered, and squared away. Steering S. ½ W.

Chas. Lemly
Ensign

6 to 8. PM. Cloudy and pleasant. Gentle breeze from N. falling to light airs last hour. At 6.20 mustered at quarters. At 7.25 furled royals, and took single reef in topsails. Long swell from N. On course S. ½ W.

E. B. T. Moore
Ensign

8 PM. to Mid. Damp. Cloudy, and at times overcast. Light breeze from E.N.E. veering to N. Bar. steady. Long swell from N.E. & E. At 8.15 changed course to S. Steering the course. Wind free.

L. P. Jewett
Master

Moon's place ~~Jan 12th~~ 1st Qr. S 6°

Examined and found to be correct.

E. K. Lewis
Lieutenant

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea, Making passage from Montevideo to Falkland Islands.

Hour.	Knots.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, In 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.															
1	2	S.	N.	2		29.63	66	61	60	60	c.g.w.	Str.	0	S.	Jib F. sail, angle reefed
2	3	"	N.N.E.	3		29.60	66	61	60	60	l.g.w.	"	4	"	to Spanker, to T.G. sail
3	4	6	"	N.	4	29.58	66	61	60	60	o.f.n.d.	"	0	"	
4	4	0	"	N.N.W.	3	29.60	66	61	60	60	o.c.f.w.	"	0	"	
5	2	8	"	N. by W.	2	29.58	66	62	62	60	"	None	0	"	
6	1	5	"	N.N.W.	1-2	29.59	66	62	62	60	"	"	0	"	
7	Ns	teerage way		Light Var. airs	0-1	29.59	66	62	62	60	"	"	0	"	
8		"	"		0-1	29.60	65	62	62	60	"	"	0	"	
9		"	"	Calm	0	29.61	66	62	62	60	o.f.	Cum. Strat.	0	"	
10	1	0	N.E.	E.S.E.	1	29.62	66	62	62	60	"	"	0	"	Took reefs out of T.G. sail
11	1	3	E by N.	S.E. by S.	1	29.60	64	61	60	60	"	"	0	"	Set M. sail and F.T.
Noon.	1	4	E.N.E.	S.E.	1	29.58	64	61	60	60	"	"	0	"	Staysail.

Distance run by Log since preceding Noon	72 knots S. South
Latitude by D. R. at Noon	S 46 · 26 · 50 "
Longitude by D. R. at Noon	W 63 · 42 31 "
Latitude by Observation at Noon ⊙	S 46 · 31 · 16 "
Longitude by Chronometer from Forenoon Observations ⊙	· · "
Current during the time knots ~~fms.~~ South per hour setting to the	
Variation of the Compass by Amplitude ⊙ observed at Sunrise	· · "
Variation of the Compass by Azimuth ⊙ observed at	· · "
Water expended during the preceding 24 hours	300 gallons.
Water Condensed during the preceding 24 hours	700 "
Water remaining on hand fit for use at Noon	1400 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

Lg. he 5-61

Hour.	Knots.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, In 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.															
1	1	0 S.	E by S.	1		29.60	64	60	60	60	o.c.f.	Nim	0	S.	Set royals and fly. jib.
2		5 S.E.	Var.	0-1		29.60	64	60	60	60	o.d.t.	"	0	"	Hauled up M. sail
3	1	5 E by N.	S by E.	1-2		29.61	64	60	60	60	o.c.d.	"	0	"	
4	1	6 N.E by E.	S.E.	2		29.57	63	60	60	60	o.c.f.t.	"	0	"	Took in gaff topsail and F.T. staffil sail
5	2½	7 S.	"	4-6		29.53	63	60	60	60	o.c.z.w.g.	Nim. Cum	0	"	Set topgallant sail.
6	1	6 E.N.E.	"	4		29.57	63	60	60	60	o.g.w.	"	0	"	
7	3	4 N.E by E.		5	½	29.55	63	59	59	60	"	"	0	"	
8	2	0 N.E by E.	S.E. by E.	4	½	29.55	62	59	59	60	"	"	0	"	
9		6 N.E.													
10	1	4 S.	E.S.E.	4		29.56	63	59	59	60	o.g.	"	0	"	
11	1	2 S. by E.	E by S.	4		29.57	63	59	59	60	"	"	0	"	Hauled down jib.
Mid.	1	0 S. ½ E.		4		29.54	63	59	59	60	"	"	8	"	
	1	2 S.	E.S.E.	4		29.57	62	59	59	60	"	"	0	"	Hauled up M. sail.

Longitude by Chronometer from Afternoon Observations ⊙	W° 63 · 44 · 22 "
Longitude by Chronometer from Observations ☽	· · "
Variation of the Compass by Amplitude ⊙ observed at Sunset	· · "
Variation of the Compass by at	· · "

under the command of Commander W. S. Schley, U. S. Navy,

Saturday, January 25th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Overcast, cloudy and damp throughout. Hazy first three hours, and thick fog last hour. Light to moderate breeze from E.N.E. to N.N.W. Bar. unsteady. Sea smooth. Distilling with 25 lbs. steam on two boilers. Steering course.

Lieut. Commdg.

4 to 8 AM. Overcast, with thick fog. Very damp. Light breeze from N.E. to W. first two hours. At 6.15 wind shifted to S. and braced sharp up on starboard tack. Light variable from S. remainder of watch. No steerage way last two hours. Steering S. first two. Sea smooth. Bar. rising.

C. K. Lewis
Lieut.

8 AM. to Merid. Overcast. Foggy. Calm to light variable airs from E.S.E. to S.E. by S. At 10 turned over spout of topsails. At 10.15 got cast of deep sea lead. No bottom at 40 fms. At 10.23 set mainsail, at 10.53 set F.T. staysail. Released John Delmon (O.S.) from confinement by order of Comdg. Officer. At 12 worn ship. Full and by.

E. P. Jarrett
Master

Merid. to 4 P.M. Cloudy and passing showers. Thunder to S. Long swell from S. Course as requisite to S.S.E. At 4.10 set royals and fly. jib, and gaff topsail at 1.55. At 1. sup mainsail, and 1.50 braced round, on starb. tack and set mainsail. At 3.25 took in royals and flying jib. Fires beaten under two boilers. At 4. pres. 25 lbs. Distilling.

Lieut. Commdg.

4 to 6 P.M. Overcast, damp and squally. Moderate to fresh breeze from S.E. Smooth sea. Bar. falling. At 4.10 worn ship to S. Took in F.T. sail and T. topsails. At 4.45 set F.T. sails. At 5.20 worn ship to E.N.E. Steering by the wind.

C. B. T. Harrison
Ensign

From 6 to 8 P.M. Overcast, hazy and very damp. Moderate breeze from S.E. Smooth sea. Bar. steady. At 6.30 went to quarters, after called all hands, hauled F.T. sail took two reefs in topsails, and one reef in fore sail. Sent down Royal yards. Hauled down jib and set F.T. staysail

E. P. Jarrett
Master

From 8. P.M. to Mid. Overcast, hazy and very damp. Moderate breeze from E.S.E. to E. by S. At 8.30 worn ship. At 9.15 hauled down jib. At 11. hauled up M. sail. Bar. falling 29.52. Distilling. Full and by.

Lieut. Commdg.

Mean of chronometers Dec 31st 9h Dec 8 1°

Examined and found to be correct.

C. K. Lewis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea. Making a passage from Montevideo to Falkland Islands.

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1	5	S by E.	E.	3		29.48	60	58	58	60	o. c. w.	Nimb.	0	S.	Doublereefed topsail
2	1	5	"	"	3		29.45	64	58	58	60	"	"	0	"	F.S. Halyard and
3	1	4	S.	"	1-2		29.44	64	58	58	60	o. c. f.	"	0	"	Spanker, single reefed
4	No steerage way			Calm	0		29.44	64	58	58	60	"	"	0	"	foresail.
5	"	"	"	"	0		29.40	64	58	58	60	" f. w.	—	0	"	
6	"	"	"	S. E.	1		29.38	64	58	58	60	"	—	0	"	
7	1	5	S. W.	"	2-3		29.38	63	59	59	60	"	—	0	"	
8	1	0	W. S. W.	S. by W.	4		29.38	63	59	59	60	"	—	0	"	Set Mainsail & spanker. Short
9	3	0	W. by S.	"	4		29.36	62	59	58	60	o. m.	Nimb	0	"	reefs out of topsails
10	2	0	W. S. W.	S.	4		29.35	62	58	58	60	"	"	0	"	
11	3	2	W. S. W 1/2 W.	S. by E.	4		29.34	62	58	57	60	"	Cum Nimb	0	"	
Noon.	2	5	E S. E.	"	4		29.33	61	57	58	60	"	"	0	"	

Distance run by Log since preceding Noon	36	knots	5 tenths fathoms.
Latitude by D. R. at Noon	S 46	° 42'	40"
Longitude by D. R. at Noon	W 63	° 53'	34"
Latitude by Observation at Noon ⊙		°	' "
Longitude by Chronometer from Forenoon Observations ⊙		°	' "
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise		°	' "
Variation of the Compass by Azimuth ⊙ observed at		°	' "
Water expended during the preceding 24 hours	308	gallons.	
Water Condensed during the preceding 24 hours	1000	"	
Water remaining on hand fit for use at Noon	2100	"	
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon		"	"

P. M.																
1	2 1/2	8	E.	S. E.	5		29.32	61	58	58	60	o. m.	Cum Nimb	0	M.	
2	2 1/2	5	S. E. 1/2 S.	"	6		29.31	61	58	57	60	"	"	0	"	Took 1st reefs in topsail
3	6	6	"	"	6		29.29	61	58	56	60	"	"	6	"	Hauled to & Sails. Set
4	7	0	"	"	6		29.32	61	58	56	60	"	"	0	"	M. topsail.
5	7	5	"	"	6-7		29.30	60	58	58	60	o. c.	"	0	"	
6	7	7	"	"	7		29.25	60	58	58	60	"	Nimb.	0	"	Hauled down jib
7	7	2	"	S.	7		29.26	60	58	58	60	"	"	0	"	
#8	6	5	"	"	7-8		29.25	60	58	58	60	o. c. w.	"	0	"	
9	5	7	"	"	7-8		29.24	60	58	58	60	"	"	0	"	
10	6	8	"	"	7-8		29.23	59	57	57	60	"	"	0	R.	
11	5	8	"	"	7-8		29.22	59	57	57	60	"	"	0	"	
Mid.	5	5 1	"	"	7-8		29.20	59	57	57	60	"	"	6	"	

#8 S 42.20 W 63.42

Longitude by Chronometer from Afternoon Observations ⊙		°	' "
Longitude by Chronometer from Observations *		°	' "
Variation of the Compass by Amplitude ⊙ observed at Sunset		°	' "
Variation of the Compass by at		°	' "

under the command of Commander H. L. Schley, U. S. Navy,

Sunday, January 26th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Overcast, cloudy and damp. For the last two hours, light to gentle breeze from East. Bar. falling. Smooth sea. Took in spanker at 3.55.

C. B. T. Howe
Ensign

4. to 8 AM. Overcast, foggy, damp and misty. Calm first hour. Light airs from S. & E. to gentle breeze S. by W. last three hours. Smooth sea. Bar. steady, after first hour of watch. Smooth sea. At 4.30 close reefed topsails, and furled mainsail. Distilling with 25 lbs. steam in two boilers. Steering by the wind.

L. P. Jarrett
Master

8 AM to Merid. Overcast and misty, with moderate breeze from S. by W. to S. by E. Smooth sea. Bar. falling. 29.03 at noon. At 8.10 set mainsail, spanker and shook one reef out of topsails. At 9.20 got a cast of the lead. Bottom at 52 fms. gray sand with black specks. At 9.35 inspected and mustered at quarters. Called all hands to muster and Sunday Officers read prayers. At 10.15 shook reef out of M. sail and hoisted the jib. At 11.05 hauled aback jib, heading E. by S. on starb. tack. At 11.40 took in and furled mainsail. Close hauled on starb tack bidding E. S. E. under topsails, single reefed foresail, spanker, jib and F. T. staysail.

Chas. L. Hyde
Ensign

Merid. to 4 P.M. Overcast, disagreeable and threatening. Stiff to fresh breeze from S. by E. At 12.10 started fire. At 12.35 sent down T. G. yards. At 1.20 took two reefs in topsails. At 1.50 furled foresail and topsails. At 1.55 set M. topsail. At 1.55 coupled propeller and started ahead with steam, under six boilers. Moderate sea, latter part. Heavy swell from S. Av. st. pres. 55 lbs. Av. rev. 46.

C. B. T. Howe
Ensign

4. to 6 P.M. Overcast and cloudy. Cum. & Nimb. clouds. Fresh to very fresh breeze from S. by E. Av. st. pres. 60 lbs. Rev. 51.

L. P. Jarrett
Master

6. to 8 P.M. Overcast, cloudy and threatening weather, blowing very fresh breeze to moderate gale from S. Wind a little puffy. Moderate sea. Bar. steady. Mustered at quarters at 6.20. Steam in 6 boilers. Av. st. pres. 60 lbs. 52 Rev. Steering the course.

Chas. L. Hyde
Ensign

8 P.M. to Mid. Overcast and misty. Moderate gale from South. Rough sea. Bar. falling. At 9.30 hauled down T. S. staysail and set F. Main staysail. Fires under 6 boilers. Av. st. pres. 55 lbs. Rev. 45.

C. B. T. Howe
Ensign

Examined and found to be correct.

R. H. Leavitt
Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea, Making passage from Monte Video, to Falkland Islands

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	5	5	S.S.E. 1/2 E.	S.	7		29.20	59	56	56	60	[illegible]			R.	F. storm staysail
2	3	8	"	S. by W.	6		29.20	59	56	57	60				"	M. topsail & Spanker.
3	3	0	"	"	6		29.18	59	56	57	60			0	"	
4	4		"	"	6		29.19	57	56	57	60			0	"	
5	3	8	"	"	6-7		29.18	57	55	57	56	O.C.Q.		0	"	
6	4	0	"	"	6-8		29.18	56	54	57	56	"	Cum. Nimbus	0	"	
7	4 1/2	5	"	S.	6-8		29.20	56	54	57	56	"	"	0	"	
#8		4	N.	"	6-8		29.20	56	54	57	56	"	"	0	"	Set close reef M. T. sl. Hauled F. St. staysail and set Storm trysail
#9	9		S.E. by E.	S.S.W.	8		29.19	56	54	57	56	O.C.	"	0	"	
10	[illegible]		S.E.	"	8-9		29.20	60	54	57	56	"	"	0	"	
11	[illegible]		"	"	8-9		29.25	62	54	57	56	"	"	0	"	
Noon.	[illegible]		"	"	9		29.23	59	54	58	56	"	"	0	"	

Distance run by Log since preceding Noon	80 knots 3 ~~fathoms~~ tenths
Latitude by D. R. at Noon	S 48 · 2 · 38 "
Longitude by D. R. at Noon	W 62 · 22 · 34 "
Latitude by Observation at Noon ☉	S 47 · 32 · 13 "
Longitude by Chronometer from Forenoon Observations ☉	W 62 · 19 · 15 "
Current during the time knots .7 ~~fms.~~ tenths per hour setting to the	N ¼ E
Variation of the Compass by Amplitude ☉ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ☉ observed at	° ' "
Water expended during the preceding 24 hours	300 gallons.
Water Condensed during the preceding 24 hours	200 "
Water remaining on hand fit for use at Noon	2000 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

P. M.															
1				S.W. by S.	8		29.23	58	53	51	56	O.C.Q.	Cir. Cum. Str.	½	R.
2	1	5	N.E. to N.E.	"	8		29.23	58	53	52	56	"	"	½	"
3	1	5	"	"	6-8		29.26	57	53	52	56	"	"	¼	"
4	1	8	"	"	8		29.27	62	54	52	56	"	"	6	"	Shook one reef out of
5	2	0	S.E.	"	7	2	29.28	66	53	52	55	"	"	9	"	Foresl, took in Storm trysail
6	4	8	"	"	6	2	29.32	66	53	52	55	"	Cir. Cum.	9	"	Set F. Storm staysail
7	2	0	S.E. by E.	S.S.W.	5-6	2	29.33	65	53	52	53	"	"	9	"	Hauled down F. Storm staysail
#8	3	0	S.E. by E.	"	5-6	2	29.34	63	53	52	53	"	Cum. Nimb.	8	"	
9	2	7	S.E.	S.W. by S.	4-5	1	29.36	65	52	51	53	"	Nimb. Str.	7	"	
10	2	5	S.E. by S.	S.W.	4	1	29.37	66	52	51	53	"	"	5	"	Shook reef out of
11	1	8	"	S.W. by W.	2-3	1	29.37	64	52	51	53	"	"	6	"	foresail
Mid.	1	8	"	"	2-3	1	29.37	62	52	51	53	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉	° ' "
Longitude by Chronometer from Observations *	° ' "
Variation of the Compass by Amplitude ☉ observed at Sunset	° ' "
Variation of the Compass by at	° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Monday, January 27th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Overcast, Disagreeable. Fresh to very fresh breeze & blowing puffs from S. to S. by W. On course S.E. ½ E. Heavy swell from S.E. Rough sea. Bar. steady. 29.10 at 4 AM.

A. B. Jarrett
Master

4 to 8 AM. Overcast and cloudy. Fresh breeze to moderate gale from S by W. hauling to S. blowing in squalls. Steering course S.E. ½ E. until 7.40, when close reefed main topsail, and set Jib. Banked fires and lay to. Heavy swell from S. Bar. rising 29.20 at 8 o'clock. Ab. at. pres. 30 lbs. Ab. rud. 38.

A. K. Lewis
Asst

8 AM. to Mid. Overcast and cloudy, blowing a moderate to strong gale from S.S.W. Lying to, heading about S.E. Rough sea. Bar. unsteady. At 8.15 set storm mizzen. Hauled down fore storm staysail. Rolling heavily. Banked fires under six boilers. Ab. st. pres. 40 lbs. Distilling.

C. B. T. Moore
Engineer

Mid. to 4 P.M. Partly overcast, first of watch, but clearing clearing up all the time. Moderate gale from S.W. by S. Sea on quarter. Ship rolling heavily at times. At 12.10 set close reefed fore topsail and fore sail and hoisted F. T. staysail. At 12.35 stopped distilling. Lying to, heading between S.E. & S.S.E. Bar. rising. 29.27 at 4 P.M.

L. P. Jarrett
Master

From 4 to 6 P.M. Clear cool and pleasant. Fresh to very fresh breeze from S.W. by S. blowing in puffs. At 4.05 shook out two reefs of fore sail & close in storm mizzen. Set spanker. At 4.20 set F. storm staysail. Rough sea. Light cloud from S.E. & W.S.W. Fires banked six boilers. Ab. pres. 25. Distilling. Rolling occasionally from 25° to 30°

Saml Lemly Lennigan
Master

6 to 8 P.M. Clear and cool. ~~Stiff~~ fresh breeze from S.S.W. blowing in puffs. Bar. rising. Heavy swell from S. Shook out 2 reefs of fore sail. At 7.40 hauled down F. storm staysail, and hoisted jib. Distilling. Banked fires under 6 boilers

C. B. T. Moore
Engineer

8 P.M. to Mid. Cloudy and cool. Stiff to light breeze from S.W. by S. to S.S.W. by W. Bar. steady. Rough sea. Rolling heavily at times. Steering by the wind first hour. Steering the course. Next three hours. At 9.15 shook reef out of fore sail. Banked fires under six boilers - 25 lbs. steam. Distilling.

L. P. Jarrett
Master

Same phase in 1st Yr. Sec 9 N

Examined and found to be correct.

L. K. Lewis
Lieut

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Monte Video, to Falkland Islands.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																Double reefed topsails Spanker. Jib &c.
1	1	5	S.E. by S.	S.W.	1-2		29.376	52	50	50	b.c.	Nimb. Cir. Cum.	1	D.	Staysail & M. topsail.
2	2	0	"		2		29.376	51	50	52	"	"	3	"	
3	2	2	"	S.W. by S.	1-2		29.360	51	50	54	o.c.p.	Cum. Nimb	0	"	
4	2	3	"	"	3		29.339	49	48	54	"	"	0	"	
5	1	0	"	S.W.	2		29.358	49	48	54	o.p.	"	0	"	Tacked ship &
6	1	5	"	S. by W.	2		29.480	49	49	54	o!	"	0	"	set Main topsail
7	2	2	S.E. by S.	"	2		29.358	48	49	54	o.p.	"	0	"	
#8	3	5	"	"	3		29.357	49	48	54	b.c.	"	2	"	
9	3	6	"	S.W. by S.	4		29.356	50	49	54	"	"	7	"	Set foresail, shook
10	3	2	"	"	4-6		29.355	50	49	54	"	Cum.	5	"	two reefs out of the topsail
11	3	2	"	"	4-5		29.353	50	49	54	"	"	8	"	
Noon.	2	2	S.E. by S.	S.W.	5		29.355	50	49	54	"	"	8	"	

3 42.32 W 61.14

Distance run by Log since preceding Noon	53 knots ~~fathoms.~~
Latitude by D. R. at Noon	S 48 ° 37' 35"
Longitude by D. R. at Noon	W 61 ° 16' 15"
Latitude by Observation at Noon ⊙	S 48 ° 26' 39".
Longitude by Chronometer from Forenoon Observations ⊙	W 60 ° 55' 10"
Current during the time knots 7 ~~fms.~~ per hour setting to the	N 2½ E
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ' "
Variation of the Compass by Azimuth ⊙ observed at	° ' "
Water expended during the preceding 24 hours	300 gallons.
Water during the preceding 24 hours	200 "
Water remaining on hand fit for use at Noon	2400 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

1 7 m 5 61

P. M.														
1	8	8	S.E. by S.	S.W.	5	29.355	50	48	51	b.c. Cum.	8	M.		
2	8	8	"	S.W. by S.	5	29.353	50	48	51	b.c.q. Cir. Cum. Nimb	4	"	Took reef out of Topsail	
3	9	0	"	S.W.	5	29.325	50	49	51	b.c. Cir. Str. Nimb	7	"	and set T.G. sail	
4	9	2	"	"	5	29.305	50	49	51	" "	8	"	Took in T.G. Sails	
5	9	2	"	S.W. by S.	4-5	29.305	49	48	51	b.c.q.	"	2	D.	and took two reefs
6	9	2	"	"	4-5	29.305	49	48	51	"	"	2	"	topsails and foresail
7	8	4	"	"	4	29.305	48	48	51	b.c.q.p.	"	2	D.	
#8	8	5	"	"	4	29.285	48	48	51	b.c.p.q.	"	2	"	
9	7	3	S.E.	S.S.W.	5	29.285	48	48	51	b.c. Cir. Nimb	6	"		
10	6	0	"	"	5	29.285	48	48	51	" "	8	"		
11	8	5	"	"	5	29.285	48	48	50	" "	9	"		
Mid.	8	5	"	"	5	29.285	48	48	50	" "	8	"		

3 35.00 W 60.28

1 35 m 5 48

Longitude by Chronometer from Afternoon Observations ⊙	° ' "
Longitude by Chronometer from Observations	° ' "
Variation of the Compass by Amplitude ⊙ observed at Sunset	° ' "
Variation of the Compass by	at ° ' "

under the command of Commander W. S. Schley, U. S. Navy,

Tuesday, January 28th, 1879

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Partly clear fresh pk. Overcast with passing showers - Sighting long swell from S.W. Bar. by 35. at 4. Fires banked under six boilers.

Saml Shufeldt Ensign.

4. to 8 AM. Overcast, cloudy and cool. Occasional passing rain. Light to gentle breeze from S by W. At 5.20 spread fires, At 6.00 furled all square sail. At 6.05 Cut in propellar and started ahead with steam under six boilers. At 6.05 changed course to S.S.E. Av. rev. 58. Av. st. pres. 60 lbs. Long swell from S. & S.W.

L. R. Lemly
Lieut

8 AM. to Merid. Clear cool, and pleasant. Moderate to fresh breeze from S.W by S. Long swell from S. & W. Bar. steady. At 8.20 set forsail. At 10 shook one reef out of the topsails, and at 11.05 shook out another reef. Making course S.E by S. Av. St. pres. 62 lbs. Av. rev. 55. At 12 changed course to S.E. & S. At 9.15 mustered at quarters.

L. P. Jouett
Master

Merid to 4 PM. Clear and cool. Stiff breeze from S.W. and S.W by S. Moderate sea. Bar. falling. Steering the course. At 1.10 Cobessed T. G. yards. Shook reefs out of topsails, and set T. G. sails. Slushed spars. Loosed storm sails to dry. Steam in six boilers Av. st. 55 lbs. Av. rev. 57.

Saml Shufeldt
Ensign.

4. to 6 PM. Clear and cool, but pleasant, with moderate to stiff breeze and passing rain showers from S.W by S. Bar. steady at 29.20. Smooth sea. At 4.45 took in and furled T. G. sails. Fires under six boilers. 57 Rev. Av. st. pres. 60 lbs.

G. B. T. Moore
Ensign

6 to 8 PM. Cloudy and pleasant. Moderate breeze from S.W. by S. Occasional light rain squalls. At 6.10 wind suddenly hauled to South. Called all hands took two reefs in topsails and furled all square sail. At 6.20 mustered at quarters Long swell from S. & W. Remarked a very clear double rainbow to N.E. & E. Av. rev. 52.5 St. 60 lbs.

L. P. Jouett
Master

8 PM. to Mid. Clear and cool. Fresh breeze from S.S.W. Bar. steady. Long swell from S. & W. Ship rolling heavily. At 8.10 Changed course to S.E. Steering the course Av. st. pres. 65 lbs. Av. rev. 52.

Saml Shufeldt
Ensign.

Moored Pleasure 2 on 1½ Q in 14°

Examined and found to be correct.

L. R. Lemly
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Esk", 2d Rate, 6 Guns,

At Sea, and Off Port Stanley, Falkland Island.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	8	2	S.E.	S.	4		29.265	5	48	48	50	b.c	Nimb	5	D.	
2	8	5	"	"	4-5		29.21	5	48	48	50	b.c.q.		7	"	
3	8	7	"	"	5		29.21	5	48	48	50	b.c.	Air Strat Mimb Cum.	3	"	
4	6	8	"	"	5		29.21	5	48	48	50	b.c.	"	0	"	
5	7	6	"	"	5		29.19	5	46	46	50	b.c.q.	"	0	"	
6	8	4	"	"	5		29.19	5	46	46	51	b.c.p.q.	"	0	"	
7	7	8	"	"	5-7		29.17	5	46	46	51	"	"	0	"	
8	7	8	"	"	6		29.15	5	43	43	51	b.c.q.	"	0	"	Set foresail and jib.
9	8	6	"	S.S.W.	6		29.13	5	42	42	50	b.c.	"	0	W.	Hauled down T.S. staysail
10	9	6	"	S.W.	6		29.11	6	43	43	50	"	"	7	"	Set T.S. sails.
11	10	4	"	"	6-8		29.08	6	42	42	50	b.c.p.q.	"	7	S.	Hauled down and furled T. sail T.S.
Noon.	7	5	"	"	6-7		29.03	5	42	42	50	"	"	7	"	Set T.S. staysail.

3.30-57
43.2.02

Distance run by Log since preceding Noon 169 knots ~~fathoms~~ 2 tenths

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observation at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Lg Mn Current during the time knots fms. per hour setting to the

5-48 Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.											
1	8	Steaming into Port Stanley under orders of Guide Officer	S.W.	5	28.96	5	34	34	50	b. c.	Cir Strat Mimb Cum.	3	D.
2			"	4-6	28.96	5	43	43	50	b.c.q.p.	Cum Mimb	2	"
3		Steaming 2d Charge of Pilot	"	4-6	28.96	5	43	43		"	"	2	"
4		At Anchor	"	4-6	28.93	5	44	43		o.c.q.p.	Mimb	0	"
5		"	S. by W.	3-5	28.91	5	41	41		b.c.q.r.s.	"	0	"
6		"	S.S.W.	4-6	28.90	5	43	43		"	"	0	"
7		"	S.S.W.	4-7	28.88	5	42	40		"	"	0	"
8		"	"	4-7	28.87	5	44	44		o.c.q.	"	0	"
9		"	"	4-7	28.85	5	44	44		"	"	0	"
10		"	"	6-7	28.83	5	44	44		"	"	0	"
11		"	"	6-7	28.83	6	44	44		"	"	0	"
Mid.		"	"	6-7	28.83	5	44	44		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander H. S. Schley, U. S. Navy,

Wednesday, January 29th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Partly overcast and cool. Moderate to stiff breeze from South. Smooth sea. Moderate swell from S.W. Bar. falling first hour of watch. Steady last Mid. Steering the course. At 3.20 got a cast of the lead in 75 fms. water, grey sand bottom.

C. B. T. Moore
Ensign

4 to 8. AM. Overcast and squally, with passing rain showers. Stiff to very fresh breeze from S. Smooth sea. Bar. falling. At 4.10 sent down T. G. Yards. At 5.20 hauled down jib and set T. Sail staysail. At 7.15 land reported 2 pts. on ~~Starb~~ bow. Fires under 6 boilers Rev. 52. As. at pres. 60 lbs.

L. K. Lewis
Lieut.

8 AM. to Merid. Cloudy, cold and pleasant. Fresh breeze from S.S.W. to S.W. At 8.55 hauled down T. Sail staysail, set jib and foresail, At 9.45 set topsails. At 10.15 hauled down jib and received a heavy squall with light rain from S.W. At 11.15 called all hands and furled all square sail. Set T. Sail staysail. During last two hours, two stiff squalls from S.W. passed over. Standing along under the lee of ~~East~~ Falkland Island. Bar. falling considerably. As. Fires 2 As. at. 60.

Lauchlan Ingles
Ensign

Merid. to 4 P.M. Cloudy, cold and disagreeable, with passing showers of rain and sleet. Moderate to fresh breeze from S. by W. to S.W. Steering in squalls. Standing into Port Stanley under charge of Comdg. Officer, until the Pilot came on board at 2.40. Furled fore and aft sails. At 2.10 came to anchor in Port Stanley at 3.20, with 45 fms. anchor in 4 ¾ fms. water, veering to 45 fms. on Starb. Chain. Bearings at anchor (p.c.) Signal Station S.S.W. ½ W. East point of Cemetary S. E. by S.

C. B. T. Moore
Ensign

4. to 8 P.M. Overcast, cloudy, squally, sleety and raining. Gentle to very fresh breeze from S. by W. to S. S. W. Bar. falling. Smooth sea. At 4.45 sent an Officer on shore for the American Consul, who returned with him, and left again at 6.40. Rigged out all boats, except the Launch: took off all chafing gear. Shipped awning stanchions and midship rope. Got up hammocks except poop awning. Shipped accommodation ladders. At 7.20 veered on Starb. chain ~~till the 45 fms.~~ until the 45 fms. shackle was at waters edge. At 4.20 hauled fires in 4 boilers, and went on distilling with two.

James N. Oliver,
Cadet Midshipman

8 P.M. to Mid. Overcast wet and disagreeable. Fresh to very fresh breeze from S. S. W. Blowing in heavy squalls from S. S. W. Heavy rain, and cold. Bar. steady and low 28.83. Distilling.

Lauchlan Ingles
Ensign.

Muster Book sent 12th Dec 18

Examined and found to be correct.

L. K. Lewis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Port Stanley, Falkland Islands

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 12ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S.E.	S.E.	3-6		28.905	55	47	42		b.o.f.q.	Nimb.	7	S	
2				"	3-6		28.935	53	43	43		"	"	4	"	
3			S by E.	S.S.E.	3-6		28.965	52	44	43		"	"	3	"	
4			"	S.	3-7		28.955	52	44	44		b.c.q.	Cir. + Nimb. Cumu.	3	"	
5			"	S. by E.	3-6		29.025	52	43	44		"		2	"	
6			S by W.	S.	3-6		29.035	52	46	44		o.c.q.	Nimb. Cumu.	0	"	
7			"	"	3-5		29.075	52	46	46		o.c.q.f.	"	0	"	
8			"	S. by W.	3-5		29.105	52	46	46		b.c.q.f.r.s.	Cir. + Nimb. Cumu.	2	"	
9			S.	"	3-5		29.115	57	46	46		"	"	7	"	
10			S by W.	"	3-5		29.126	60	46	46		b.c.q.	"	2	"	
11			"	"	3-5		29.136	63	46	46		"	"	1	"	
Noon.			S.W. by S.	S.W. by S.	4-6		29.146	63	46	46		b.c.q.s.	"	1	"	

Distance run by Log since preceding Noon		knots	fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ☉	°	′	″
Longitude by Chronometer from Forenoon Observations ☉	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ☉ observed at	°	′	″
Water expended during the preceding 24 hours	307	gallons.	
Water Condensed during the preceding 24 hours	300	"	
Water remaining on hand fit for use at Noon	1800	"	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P. M.																
1			S.S.W.	S.S.W.	4-6		29.156	54	45			b.c.q.	Cir. + Nimb. Cumu.	1	S.	
2			"	"	4-6		29.186	64	45			b.c.q.f.	"	2	"	
3			S.W. by S.	S.W. by S.	4-6		29.206	76	46			"	"	2	"	
4			"	"	4-6		29.206	76	46			"	"	4	"	
5			S.	"	4-6		29.226	76	46			"	Nimb.	0	"	
6			S.S.W.	S. by W.	3-5		29.256	89	46			"	"	2	"	
7			"	S.	3-5		29.276	94	44			"	"	3	"	
8			"	"	3-5		29.276	94	44			b.c.q.	Cir. + Cumu. Nimb.	2	"	
9			"	S. by W.	3-5		29.276	75	45	46		"	"	4	"	
10			S. by W.	"	2-5		29.296	75	45	46		"	"	2	"	
11			"	"	2-4		29.306	75	45	46		o.c.q.	"	0	"	
Mid.			S.	"	2		29.306	75	45	46		o.c.	"	5	"	

Longitude by Chronometer from Afternoon Observations ☉	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Thursday, January 30th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and cool at times, clearing to bright starlight. Passing showers of rain. Wind gentle to very fresh, blowing in squalls from S. to W. Bar. rising.

C. B. T. Moore
Ensign

4. to 8. A.M.

Overcast, cloudy, cool and squally. Passing showers of rain and sleet last hour of watch. Gentle to fresh breeze from S. by E. to S. by W. in squalls. Bar. rising. Smooth Sea.

James N. Oliver
Cadet Midshipman

8. A.M. to Merid.

Overcast. Cloudy. Cool. Squally. Passing showers of rain and sleet, during watch. Gentle to stiff breeze from S. by W. and S.W. by S. Barometer rising slowly.

L. P. Jewett
Master

Merid. to 4. P.M.

Cloudy and cool. Moderate to fresh breeze from S. S.W. to S.W. by S. Frequent fresh squalls, and passing rain. Confined in double irons H. G. Roberts (O.S.) for being drunk on duty, to await action of Cond. Officer. Bar. rising. At 12. Cond. Officer Lieut. Curtis, and Cadet Midshipman Oliver left the ship to pay an official visit to the governor.

Ensign

4. to 8. P.M.

Cloudy and cool, with passing showers of rain. Wind gentle to fresh from S. to S.W. by S. blowing in squalls. Bar. rising.

C. B. T. Moore
Ensign

8. P.M. to Mid.

Clear and cool two hours, overcast last two. Wind gentle stiff and in squalls from S. by W. Bar. rising 29.30. Sea Smooth

L. P. Jewett
Master

Course & Dist. N. 22°

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Port Stanley. Falkland Islands.

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W.	S by W.	1		29.3	068	46	46		0	Cum. Str.	6	D.	
2			S.S.W.	S.S.W.	1		29.3	269	46	46		"	"	0	"	
3				"	1		29.3	370	46	46		"	"	0	"	
4			S.W by W.	S.W by W.	1		29.0	370	47	46		"	"	0	"	
5			W.S.W.	W.S.W.	1		29.3	670	47	46		0.c.	Cir. & Cum Nimb	0	"	
6			W.N.W.	"	1-2		29.4	070	46	46		b.c.	"	2	"	
7			W.	W.	2		29.4	070	46	46		0.c.	"	0	"	
8			N.E by N.	W.N.W.	2		29.4	068	45	45		b.c.	Str. & Cum Numb	1	"	
9			N.N.W.	N.N.E.	1		29.3	768	45	45		"	Cir. & Numb Str 2	1	"	
10			"	N.N.W.	2		29.3	868	45	45		0.c.	Numb Str 0		"	
11			N.E by N.	N.E.	1-2		29.0	869	48	48		"	"	0	"	
Noon.			N by W	N.	1-2		29.3	969	47	47		"	"	0	"	

Distance run by Log since preceding Noon — knots — fathoms.

Latitude by D. R. at Noon — ° ' "

Longitude by D. R. at Noon — ° ' "

Latitude by Observation at Noon ⊙ — ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ — ° ' "

Current during the time — knots — fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ⊙ observed at — ° ' "

Water expended during the preceding 24 hours — 308 gallons.

Water — during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1500 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			N.W.	N.N.W.	1-2		29.3	969	48	48		0.c.	Numb	0	D.	
2			"	"	2		29.4	070	48	48		"	"	0	"	
3			"	N.W.	2-3		29.4	071	48	48		"	"	0	"	
4			"	"	1-2		29.4	071	48	48		0.c.r.	"	0	"	
5			N.N.W.	N.N.W.	1-2		29.4	071	48	48		0.c.p.	"	0	"	
6			"	"	1-2		29.4	070	48	48		"	"	0	"	
7			"	"	2		29.4	069	46	46		"	"	0	"	
8			"	"	2		29.4	069	46	46		"	"	0	"	
9			N.W by N.	N.W.	0-1		29.4	070	49	48		0.c.	"	0	"	
10			N.W.	"	1-2		29.4	068	49	48		0.c.d	"	0	"	
11			W.N.W.	W.N.W.	1		29.3	867	49	49		"	"	0	"	
Mid.			"	"	1		29.3	867	49	49		0.c.	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙ — ° ' "

Longitude by Chronometer from Observations ☽ — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ' "

Variation of the Compass by — at — ° ' "

under the command of Commander W. A. Schley, U. S. Navy,

Friday, January 31st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Overcast cool, and pleasant. Light airs from S. by W. to S.W. by W. Bar. rising. Light banked fires under two boilers for heating ship.

Lauriston Gould
Engr

4. to 8 a.m.

Cloudy and cool. Overcast most of watch. Light breeze from W.S.W. to W.N.W. Bar. steady. Received fresh provisions for crew. The Italian man of war "Vettor Pisani" got underway at 8 o'clock

C. B. T. Moore
Ensign

8. a.m. to Merid.

Overcast and cool. Light airs to light breeze from N.E. to N.N.W. Bar. rising. Smooth sea. At 8.20 the Italian man of war "Vettor Pisani" passed out of the harbor. At 11.30 the Colonial Secretary came on board to pay an official visit to the Comdg. Officer, in return for the visit made yesterday to the Governor of the Falkland Islands.

C. K. Lewis
Lieut.

Merid. to 4 P.M.

Cloudy and overcast with light rain last hour. Light to gentle breeze from N.W. Received in Engrs. Dept. 34 bags peat.

E. P. Quatt
Master

4. to 8 P.M. Overcast. Light passing rain. Light airs to light breeze from N.N.W. Received on board 66 bags of peat. Bar. steady. 29-40.

Lauriston Gould
Engr

8 P.M. to Mid.

Overcast with occasional drizzling rain. Bar. falling. Smooth sea. Light airs to light breeze from S.W. and W.N.W.

C. K. Lewis
Lieut.

Number of men on 2d Cl. Qrs. this N. 25

Examined and found to be correct.

C. K. Lewis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Off Port Stanley, Falkland Island

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W.N.W.	N.W.	0-1		29.41	63	49	49		b.c.f.	Nimbi	8	S	
2			W by N.	"	1		29.41	63	49	49		b.c.	Cir. Nimbi	9	"	
3			"	"	1		29.41	60	49	49		"	"	8	"	
4			"	W.	1		29.41	58	49	49		"	Cum. Str.	9	"	
5			"	W. by N.	2		29.43	58	48	48		"	"	8	"	
6			"	"	2		29.44	61	48	48		"	"	8	"	
7			"	"	2		29.44	62	49	49		"	Cum. Str. Nimbi	8	"	
8			N.W.	N.W.	3		29.43	64	50	50		0	"	0	"	
9			N.W. by W.	N.W. by W.	2-3		29.43	66	50	50		b.c.	"	1	"	
10			N.W.	N.W.	3		29.39	66	50	50		"	"	3	"	
11			N.W. by W.	"	3-5		29.35	66	57	57		b.c.f.	"	3	"	
Noon.			"	"	3-5		29.37	69	57	57		b.c.	"	4	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	300	gallons.	
Water Condensed during the preceding 24 hours	300	"	
Water remaining on hand fit for use at Noon	1200	"	
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P. M.															
1	N.N.W.	N.N.W.	3-5		29.30	63	54	54		o.c.f.g.		0	S.	
2	N.W.	N.W.	4-6		29.25	65	55	55		o.c.f.		0	"	
3	"	N.W. by N.	5-7		29.21	67	56	56		b.c.g.		3	"	
4	N.N.W.	N.W.	3-4		29.20	68	56	56		b.c.		4	"	
5	N.W. by W.	N.W. by W.	3		29.19	70	57	67		"	Cum. Str. Nimbi	2	"	
6	W.	W. by W.	3		29.18	71	57	57		"	Cum. Str.	1	"	
7	W.N.W.	"	3		29.18	72	56	56		"	"	1	"	
8	W. by N.	W. by N.	3		29.15	74	56	56		"	"	1	"	
9	W.	W.N.W.	2-3		29.17	71	55	55		"	"	2	"	
10	"	"	3		29.18	72	54	54		"	"	4	"	
11	S.W. by W.	W.S.W.	3		29.18	72	54	54		"	"	6	"	
Mid.	W.S.W.	S.W.	3		29.18	71	53	53		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations	°	′	″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander W. S. Schley, U. S. Navy,

Saturday, February 1st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Clear and cool, foggy first part of first hour of watch. Light airs from N.W. to W. Bar. Steady.

L. P. Jewett
Master

4 to 8 AM. Clear and pleasant, last hour overcast. Light to gentle breeze from W by N. to N.W. Received 32 bags of peat. Bar. steady 29.40

Lieut. Sands,
Exec.

8 AM. to Merid. Cloudy and cool, light rain showers at 10.20. Light to fresh breeze from N. to N by W. Dismounted No. 1 gun to repair axles. Bar falling 29.32 at noon.

C. B. T. Moore
Ensign

Merid. to 4 PM. Overcast, cloudy and squally. Rain shower first hour. Gentle to very fresh breeze, blowing in squalls from N.N.W. to N.W. Bar falling. Smooth sea. Board of Survey condemned 240 lbs. bread dust in Pay Dept.

G. K. Gerrish
Lieut.

4 to 8 PM. Clear and pleasant. Gentle N. and Westerly breezes. Bar. steady.

L. P. Jewett
Master

8 PM. to Mid. Cloudy pleasant weather. Light to gentle breeze from W.N.W. hauling to S.W. Bar. steady. 29.18 at 12.

C. B. T. Moore
Ensign

Moored [illegible] in 2d Qr. Dock N 26°

Examined and found to be correct.

G. K. Gerrish
Lieut.

Navigator.

LOG of the UNITED STATES Steamer Essex., 2d Rate, 6 Guns,

Port Stanley, Falkland Islands

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W. S. W.	W. S. W.	1-2		29.19	66	57	57		bc.	Cir.	9	S.	
2			W.	W.	2-3		29.19	66	51	51		"	"	9	"	
3			W. by S.	W by S.	2		29.19	63	53	53		"	"	9	"	
4			W. N. W.	N.	1		29.19	63	53	53		"	"	9	"	
5			W.	"	2		29.20	67	49	48		"	Stri.	9	"	
6			W by N.	"	2		29.22	64	49	48		"	Cir. Stri.	8	"	
7			W. N. W.	"	2-3		29.23	64	51	53		"	"	6	"	
8			"	W. N. W.	2-3		29.24	67	53	53		"	"	4	"	
9			"	"	2		29.25	67	53	54		"	"	6	"	
10			"	"	2		29.25	67	58	57		"	"	8	"	
11			"	"	2-3		29.25	69	59	58		"	"	8	"	
Noon.			W.	W.	2-3		29.20	87	61	59		"	"	4	"	

Distance run by Log since preceding Noon ____ knots ____ fathoms.

Latitude by D. R. at Noon ____ ° ____ ′ ____ ″

Longitude by D. R. at Noon ____ ° ____ ′ ____ ″

Latitude by Observation at Noon ⊙ ____ ° ____ ′ ____ ″

Longitude by Chronometer from Forenoon Observations ⊙ ____ ° ____ ′ ____ ″

Current during the time ____ knots ____ fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ____ ° ____ ′ ____ ″

Variation of the Compass by Azimuth ⊙ observed at ____ ° ____ ′ ____ ″

Water expended during the preceding 24 hours 300 gallons.

Water ____ during the preceding 24 hours ____ "

Water remaining on hand fit for use at Noon 1200 "

Coal consumed during the preceding 24 hours ____ tons ____ lbs.

Coal remaining on hand at Noon, " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			W. by S.	W by S.	3-5		29.25	69	61	59		b.c.q.	Cirri. Cirro Nimb	3	S.	
2			W. by W.	W by W.	3-5		29.25	70	61	59		c.c.q.	Nimb	0	"	
3			W. by S.	W. by W.	3-4		29.26	70	58	55		b.c.q.	Cir. Cum.	2	"	
4			W.	"	3-4		29.26	70	54	56		b.c.f.	Cir. Cum. Nimb. Str.	2	"	
5			W. N. W.	"	3		29.26	70	58	58		c.c.	Nimb	0	"	
6			W. by N.	"	3		29.27	71	58	56		"	"	0	"	
7			"	"	3		29.27	69	58	56		"	"	0	"	
8			S. S. E.	S. S. E.	0-2		29.27	68	58	56		c.c.q.	"	5	"	
9			W.	W.	1-2		29.27	65	55	55		b.c.	Cir. Str.	4	"	
10			"	"	1-2		29.27	65	55	55		"	"	6	"	
11			"	"	1-2		29.27	63	53	53		"	"	6	"	
Mid.			"	"	1-2		29.27	67	52	52		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊙ ____ ° ____ ′ ____ ″

Longitude by Chronometer from Observations ____ ° ____ ′ ____ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset ____ ° ____ ′ ____ ″

Variation of the Compass by ____ at ____ ° ____ ′ ____ ″

under the command of Commander W. D. Schley, U. S. Navy,

Sunday, February 2d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Clear and cool. Light airs to gentle breeze from N. E. by N. to N. Bar. steady. Smooth sea. Bright starlight.

Wm. K. Lewis
Lieut.

4 to 8 AM. Clear and pleasant. Light to gentle breeze from W. to W. N. W. Smooth sea. Bar. rising slowly 29 in. at 8 o'clock

L. P. Jouett
Master

8 AM. to Merid. Clear and pleasant. Light breeze with occasional stiff squalls from W. N. W. to W. At 9.20 Comd. Off. inspected ship and crew at quarters. At 10. Held divine service the Colonial Chaplain Rev Mr. Brandon officiating. Bar. steady 29.25. Light banked fires under two boilers for heating ship.

Jas. C. Soley
Ensign

Merid. to 4 PM. Clear and pleasant weather. Gentle to stiff breeze from W. by S. to N. W. by W. Blowing in puffs. Occasional showers of rain. Bar. rising slowly. Fires banked under two boilers

C. B. T. Moore
Ensign

4. to 8 PM. Overcast. Gentle breeze to light airs from N. W. to S. S. E. Smooth sea. Rain shower last hour of watch.

Wm. K. Lewis
Lieut.

8 PM. to Mid. Clear and pleasant first part of watch, wind suddenly hauled to W. and remained so during this watch. Bright moonlight.

Jas. C. Soley
Ensign.

Mean of Obsns on Qr. Deck N 27°

Examined and found to be correct.

C. K. Curtis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Erie", 3d Rate, 6 Guns,

Port Stanley, Falkland Islands

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			S. W.	S. W.	2		29.30	67	50	50		b.	–	10	b.	
2			W. N. W.	W.	1-2		29.31	61	49	49			–	10	b	
3			W.	"	2		29.32	61	48	48		b. c.	Cir. Str.	9	"	
4			W. by S.	"	2		29.33	60	48	48		"	"	9	"	
5			W. N. W.	"	0-1		29.33	68	48	48		"	"	9	"	
6			W by S.	"	1		29.36	61	48	48		"	"	8	"	
7			W by N.	"	2		29.37	64	52	50		"	"	7	"	
8			W.	"	2		29.37	64	55	52		"	"	4	"	
9			W by N.	W by N.	4		29.37	65	56	55		"	"	4	"	
10			W.	W.	3		29.37	66	57	56		"	Cir. Cumb. Strs.	1	"	
11			W. by N.	"	3		29.36	67	57	57		b. c.	"	8	"	
Noon.			N. N. W.	"	3		29.30	67	57	57		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	′ ″
Longitude by D. R. at Noon	°	′ ″
Latitude by Observation at Noon ☉	°	′ ″
Longitude by Chronometer from Forenoon Observations ☉	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ☉ observed at	°	′ ″
Water expended during the preceding 24 hours	300	gallons.
Water received during the preceding 24 hours	1100	"
Water remaining on hand fit for use at Noon	4000	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			N W.	N. W.	3		29.33	67	56	54		b.	Cumu. Cir. Nimb	8	b	
2			N.	N.	3-4		29.33	68	55	54		b. fog.	"	8	b	
3			N N E.	N. N. E.	3		29.32	68	55	54		b.	"	0	"	
4			N N W.	N. N. W.	3-4		29.30	68	54	54		b. fog.	"	8	"	
5			N by E.	"	3-5		29.23	67	54	54		b. fog.	"	3	"	
6			N. North.	North	3-5		29.18	66	53	50		fog.	"	3	"	
7			"	"	3-5		29.15	66	53	53		"	"	2	"	
8			N N.	N. N. W.	3-5		29.11	66	53	53		"	"	2	"	
9			"	"	3		29.09	67	53	52		"	"	1	"	
10			N. N. W.	"	2		29.08	69	53	52		b. c.	Cir.	6	"	
11			"	N. N. W.	3-5		29.07	67	54	54		b. c. fog.	Air. Nimb	0	"	
Mid.			"	"	4		29.04	62	54	54		b. c.	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉	°	′ ″
Longitude by Chronometer from Observations	°	′ ″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander W. S. Schley, U. S. Navy,

Monday, February 3d, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Clear and pleasant. Bright starlight. Light breeze from S.W. Standing to W. Bar. rising steadily 29.63 at 4 AM. Banked fires under two boilers.

C.B.T. Moore
Ensign

4 to 8 AM. Clear and pleasant. Light air to light breeze from W. Smooth sea. Bar. rising ~~slowly~~. Water boat came alongside at 7.15. ~~The Navigator went on shore to collect chronometers.~~

L. R. Lewis
Lieut.
~~Cadet Midshipman~~

8 AM. to Mrid. Clear and pleasant first two hours. Overcast and cool last two, with gentle breezes from west. Bar. falling. Sea smooth. Received on board in Equipment Department 1100 gals. fresh water. Rec'd. a piece of timber in Con. Dept. While dismounting No. 2 gun, starboard side a pennant tackle parted, broke four of the deck planks. Fires banked under two boilers. Pres. 5 lbs.

L. P. Jouett
Master

Mrid. to 4 PM. Overcast and unpleasant. Gentle to moderate breezes from N.W. to N.N.E. Occasionally, moderate squalls with passing rain. Carpenters gang engaged in repairing deck. Bar. falling 29.20.

Chas. Stanley
Ensign

4 to 8 PM. Clear and pleasant ~~weather~~. Gentle to ~~Stiff~~ breeze from N. to N.W. blowing in squalls. Bar steadily falling 29.11 at 8 PM.

C. B. T. Moore
Ensign

8 PM. to Mid. Partly clear, with gentle to puffy breezes from N.W. to W.N.W. blowing in squalls part of the time. Bar. falling 29.04 at 12.

L. P. Jouett

Middle Watch. In 2d Qr. Lee No 25

Examined and found to be correct.

L. R. Lewis
Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Esq", 3d Rate, 6 Guns,

Port Stanley, Falkland Islands

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W.N.W.	W.N.W.	3-5		29.01	64	53	53		b.c.q.	Cum. Str.	7	S.	
2			"	"	3-5		29.00	64	53	53		"	"	6	"	
3					3-5		28.97	63	52	52		"	"	6	"	
4			W.	W.	3		28.97	62	52	52		"	"	6	"	
5			W.N.W.	W.N.W.	2-3		29.00	61	51	51		b.c.f.	Cir. Str.	4	"	
6			W by N.	W. by N.	2		29.00	62	51	51		"	"	3	"	
7			"	"	2		29.02	60	53	53		"	"	3	"	
8			S.W. by W.	S.W. by W.	2		29.03	68	53	53		b.c.	"	3	"	
9			W by S.	W.	4		29.05	70	57	56		"	Cir. Cum. Cir. Str. + Nimb.	3	"	
10			"	W. by S.	5		29.05	69	58	56		"		1	"	
11			"	"	5-6		29.05	69	58	57		b.c.q.	Cir. + Nimb. Cum	1	"	
Noon.			"	W.	5-6		29.05	68	58	56		o.c.q.	Nimb Cum	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	′	″
Longitude by D. R. at Noon	°	′	″
Latitude by Observation at Noon ⊙	°	′	″
Longitude by Chronometer from Forenoon Observations ⊙	°	′	″
Current during the time knots fms. per hour setting to the			
Variation of the Compass by Amplitude ⊙ observed at Sunrise	°	′	″
Variation of the Compass by Azimuth ⊙ observed at	°	′	″
Water expended during the preceding 24 hours	400		gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at Noon	1600		"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1			W. by S.	W. by S.	5-7		29.05	68	58	57		b.c.q.f.	Cir. Cum.	4	S.	
2			W.S.W.	"	5-7		29.05	68	58	57		"	Nimb Cum	1	"	
3			S.W.	S.W.	5-7		29.07	68	57	56		"	"	1	"	
4			S.W. by W.	"	4-6		29.08	69	56	56		o.c.f.q.	Cir. Str.	0	"	
5			W.S.W.	W.S.W.	4-6		29.09	69	57	56		b.c.q.	Cir. Str + Nimb	2	"	
6			"	"	4-6		29.10	70	57	56		"	"	5	"	
7			"	"	4-6		29.13	70	56	54		"	"	5	"	
8			"	"	4-6		29.14	69	54	52		"	"	5	"	
9			W. by S.	W. by S.	4-5		29.16	69	54	52		b.	"	10	"	
10			"	"	4		29.18	67	52	52		"	"	10	"	
11			W.	W.	4		29.20	67	50	50		"	"	10	"	
Mid.			W.N.W.	W.N.W.	3		29.20	66	49	49		b.c.	Cir. Nimb	2	"	

Longitude by Chronometer from Afternoon Observations ⊙	°	′	″
Longitude by Chronometer from Observations *	°	′	″
Variation of the Compass by Amplitude ⊙ observed at Sunset	°	′	″
Variation of the Compass by at	°	′	″

under the command of Commander H. S. Schley, U. S. Navy,

Tuesday, February 4th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Cloudy cool and pleasant. Gentle to stiff breeze from W.N.W. to W. Frequent stiff squalls during first three hours of watch. Bar. falling .197.

Jas. C. Smith
Ensign

4. to 8 AM. Cloudy and pleasant. Light to gentle breeze from W.N.W. to S.W. by W. Bar. rising 29.93 at end of watch. Received fresh provisions for crew.

C. B. T. Moore

8 AM. to Mid. Cloudy and pleasant. Moderate to fresh breeze from W. to W. by S. Squally latter part of watch. Bar. steady. Smooth sea. W. C. Montgomery (C.S.) by order of the Executive Officer, was confined in single irons to await the action of the Comdr. in Chief for assaulting a shipmate with knife or other sharp instrument. Repairing damaged part of deck.

G. K. Leutze
Lieut.

Mid. to 4 PM. Cloudy and cool. Passing showers of rain. Stiff to fresh breeze, blowing in squalls, hauling from W. by S. to S.W. Finished repairing damaged part of deck. Stocked the battery for sea. Sent awning below, hoisted in Catamaran, rigged in and secured 1st Cutter. Put on mainsail cover, mizzen, dodge ropes, &c preparatory for sea.

L. P. Jewett
Master

4. to 8 AM. Cloudy and squally. Moderate to fresh breeze from W. to W.N.W. Bar. rising 29.14. Hoisted smoke stack, rigged lower torpedo

Jas. C. Smith
Ensign

8 P.M. to Mid. Clear and pleasant. Stiff to gentle breeze from W. by S. to W.N.W. Bar. rising. Smooth sea. Bright moonlight.

G. K. Leutze
Lieut.

Morning please. Lat 2nd Qr. Dec N 23°

Examined and found to be correct.

G. K. Leutze
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d Rate, 6 Guns,

At Sea, making a passage from Falkland Islands, to Monte Video

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1			W. by N.	W. by N.	2-3		29.20	64	50	50		o. c.	Nimb	0	D.	
2			W. N. W.	W. N. W.	2		29.19	63	50	50		o. c. d. r.	"	0	"	
3			W. S. W.	W. S. W.	2-3		29.16	62	50	50		o. c. r.	"	0	"	
4			W.	W.	2-4		29.12	62	51	51				0	"	
5			"	"	2-4		29.22	61	50	50		b. c. q.	Nimb Cum. Str.	H	"	
6			W. S. W.	W. S. W.	3		29.25	60	50	50		b. c.	"	5	"	
7			S. W. by W.	S. W. by W.	4		29.25	60	52	52		"	"	5	"	
8			"	"	4		29.26	60	52	52		"	"	6	"	
9			"	"	2-3		29.29	63	52	52		"	Cir. Str.	3	"	
10	Standing out & Standing		"	"	2		29.32	67	55	55		"	Cum. Nimb	5	"	
11	1	4	W.	S. by W.	3		29.34	67	58	58	57	"	Cir. Cum.	7	"	
Noon.	6	9	"	S. S. E. by E.	3		29.35	65	58	58	57	"	Cir. Cum. + Str. Nimb	8	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	S 51	29.42 W
Longitude by D. R. at Noon	W 57	35.36
Latitude by Observation at Noon ☉	S 57	28.00
Longitude by Chronometer from Forenoon Observations ☉	°	′ ″
Current during the time knots fms. per hour setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	′ ″
Variation of the Compass by Azimuth ☉ observed at	°	′ ″
Water expended during the preceding 24 hours	200	gallons.
Water received during the preceding 24 hours	1000	"
Water remaining on hand fit for use at Noon	2400	"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

Lg 0w 57.8

P. M.															
1	5	8	N. by W.	E.	1-2	29.36	63	53	53	51	b. c.	Cir + Nimb. Cum.	2	D.	Let go anchor and gaff topsail
2	6	6	"	E. S. E.	2	29.36	62	56	56	51	"	Cir. Str. + Nimb. Cum.	5	"	
3	3	0	"	S. E.	2-1	29.37	62	53	53	51	o. c.	Cir + Nimb Str. Cir + Str.	0	"	
4	2	5	"	S. E. by S.	1-2	29.38	61	53	53	51	"	Cum Nimb	0	"	
5	2	4	"	S. E. by E.	1-3	29.40	60	52	52	51	b. c. f.	"	2	"	Set the clew of M sail.
6	2	0	"	"	1-2	29.42	59	52	52	51	b. c.	"	4	"	
7	2	3	"	"	2-3	29.40	58	51	51	51	"	"	5	"	Brought reefed Topsail to furled royals
8	1	9	"	"	2-3	29.43	58	51	51	51	"	"	6	"	
9	2	6	"	S. E.	3	29.48	60	50	50	51	"	"	5	"	
10	2	0	"	S. by E.	2	29.50	60	50	50	51	"	Cir. Cum	5	"	
11	2	0	"	"	2	29.53	60	50	50	51	"	Cir + Nimb	7	"	
Mid.	2	9	"	S. by W.	3	29.54	60	50	50	51	"	"	6	"	

S 27.13.30 W 57.26.30

Longitude by Chronometer from Afternoon Observations ☉	°	′ ″
Longitude by Chronometer from Observations *	°	′ ″
Variation of the Compass by Amplitude ☉ observed at Sunset	°	′ ″
Variation of the Compass by at	°	′ ″

under the command of Commander W. S. Schley, U. S. Navy,

Wednesday, February 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Overcast and raining last two hours of watch. Light to stiff breeze ranging from W.N.W. to W.S.W. South sea. Bar. steady at 29.9.

L. P. Jewett
Master

4. to 8. AM. Cloudy and pleasant. Light to moderate breeze from W. to S.W. by W. first hour moderate wind squalls. At 7.10 started fires in two more boilers. At 7.40 crossed T.G. yards. Making preparations for sea. Bar. rising 29.26. Received ~~on~~ on board 1000 gals fresh water.

Lieut. C. Earle Ensign

8. AM. to Merid. Generally clear and pleasant. Light to gentle breeze from S.W. by W. hauling by South to S.E. by E. At 9. AM. brought to on the S.W. chain, and hove in to 6 fms. and at 9.40 hove up, and steamed out of the harbor. At 10.10 crossed royal yards, Made square sail to royals and jib except mainsail. At 11.15 unbent chains and stowed them below. Took the departure at 10.45 Cape Pembroke Light house bore (p.c.) S. by W. distant 3.5 miles Av. St. pres. 30 lbs. Rev. 45. At 12. changed course to S by W.

C. B. T. Moore
C.B.T.M. Ensign

Merid. to 4 P.M. Overcast and cool. Light airs to light breeze from E. to S.E. by E. Bar. rising. Sea smooth. Steering the course. Let fires go down, and uncoupled engines at 2.05 Fires banked in two boilers. Distilling. At 1.40 set spanker and gaff topsail. Loosed and single reefed mainsail. Falkland Islands in sight on port quarter.

L. P. Jewett
S. of G. Master

4. to 6 P.M. Partly clear and pleasant, with passing rain showers. Light airs to gentle breeze from S.E. by E. Sea smooth. Bar. rising 29.40. By order of Comdg. Officer released Thos. F. Roberts (B.S.) from confinement. At end of watch point of land in sight bearing (p.c.) S.W. by S.½E. At 4.45 set lee clew of the mainsail. Fires banked in two boilers 25 lbs. distilling

Lieut. C. Earle Ensign

6 to 8 P.M. Cloudy, cool and pleasant. Light to gentle breeze from S.E. by S. At 6.20 mustered at quarters. At 7. took single reefs in topsails and furled royals. On course S by W. distilling.

C. B. T. Moore
C.B.T.M. Ensign

8 P.M. to Mid. Cloudy and pleasant. Light to gentle breeze from S.E. to S by W. Smooth sea. Bar. rising. Steering course S. by W. At 10. hauled up mainsail and squared away. Fires banked under two boilers. Distilling.

L. P. Jewett
Master

Steam pleasure - In 2d Gr. Dec. 1880

Examined and found to be correct.

C. M. Lewis
Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6. Guns,

At Sea, Making passage from Falkland Islands to Monte Video

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																Under sail 7 h. fm. sail single reefd topsails.
1	3	8	N by W.	S.	2-3		29.55	60	48	48	50	b. c.	Cir. Cum.	8	S.	
2	4	6	"	"	2-3		29.56	66	48	48		b. c. W.	Cir.	9	"	
3	3	6	"	S by E.	2		29.58	60	49	49		"	Cir. Str. & Cum.	8	"	
4	2	4	"	"	1-2		29.60	60	49	49		"	"	7	"	
5	2	9	"	S.	2-3		29.64	58	49	49		b. c.	"	1	"	
6	3	3	"	S. S W.	3		29.63	58	49	49		o. c.	"	0	"	
7	3	0	"	S W by S.	2-3		29.65	58	50	50		b. c.	"	0	"	
8	2	3	"	"	2		29.67	59	50	50		"	"	1	"	
9	2	1	N by W & W.	"	2		29.67	58	51	51		"	"	1	"	
10	2	4	"	S W by W.	3		29.67	58	51	51		"	"	4	"	
11	3	2	"	"	3		29.67	57	51	51		"	"	5	"	
Noon.	3	7	"	"	3		29.67	57	51	51		"	"	6	"	

5300 S 20° W
N 41° W 37-41

Distance run by Log since preceding Noon	73 knots ~~fathoms.~~
Latitude by D. R. at Noon	° ′ ″
Longitude by D. R. at Noon	S 50 . 2 . 24 .
Latitude by Observation at Noon ⊙	W 57 . 26 . 0 .
Longitude by Chronometer from Forenoon Observations ⊙	S 49 . 55 . 8 .
Current during the time knots 5 ~~fms.~~ per hour setting to the	W 57 41 23
Variation of the Compass by Amplitude ⊙ observed at Sunrise	° ′ ″
Variation of the Compass by Azimuth ⊙ observed at	° ′ ″
Water expended during the preceding 24 hours	~~200~~ gallons.
Water Condensed during the preceding 24 hours	750 "
Water remaining on hand fit for use at Noon	2850 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

Lg 0W 5·62

P. M.																
1	4	2	N by W. 1/2 W.	W. S. W.	3		29.69	57	51	50	50	b. c.	Cir. Str. & Cum.	8	S.	
2	5	5	"	W by S.	4		29.66	57	52	51	51	"	Str.	9	"	
3	5	2	"	W by S.	4		29.65	57	53	52	51	"	"	9	"	
4	5	4	"	"	4		29.67	58	53	52	51	"	"	4	"	
5	5	4	"	"	4		29.66	58	52	52	51	"	"	4	"	
6	5	2	N by W 1/4 W.	W. by N.	4		29.65	58	51	51	51	"	Cir. Str.	8	"	
7	5	0	N. 1/4 W.	W. N. W.	4		29.63	58	51	50	51	"	"	4	"	
8	4	5	N. 1/2 E.	"	4		29.62	58	50	50	50	"	"	2	"	
9	4	8	N. 1/4 E.	"	5		29.60	59	50	50	50	"	Cir. Str. & Nims.	2	"	
10	4	4	N. 1/4 W.	"	5		29.59	59	50	50	50	"	"	5	"	
11	4	0	"	"	5		29.58	58	50	50	50	"	"	2	"	
Mid.	4	0	N.	"	5		29.55	58	60	50	50	"	"	1	"	

3 N 9-16 W 37-34

Longitude by Chronometer from Afternoon Observations ⊙	° ′ ″
Longitude by Chronometer from Observations *	° ′ ″
Variation of the Compass by Amplitude ⊙ observed at Sunset	° ′ ″
Variation of the Compass by at	° ′ ″

under the command of Commander W. S. Schley, U. S. Navy,

Thursday February 6th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4. Clear and pleasant. Bright moonlight. Gentle to light breeze from S. & S by E. Bar. rising Smooth sea. Steering the course. Fires banked in two boilers. Ab. 4h fires 25 lbs. Distilling. Moon set at 2.45.

Saml Leslie
Ensign

4 to 8 AM. Partially ~~clear~~ overcast but pleasant. with light to gentle, hauling from S. to S.W by S. Bar. rising 29.65 at 8. Smooth sea. At 6.55 Shook reefs out of topsails, set mainsail, royals and fly. jib. Under all plain except T.J. staysail Spanker and gaff topsails. Steering the course N by W. Small school of whales were seen during the watch. Fires banked in two boilers, fires 20lbs. distilling. At 8 AM. Changed course to N by W 1/2 W.

C. B. T. Moore
M. Ensign

8 AM. to Merid. Cloudy and pleasant. Light to gentle breeze from W.N.W by S. to W.S.W by W. At 9.15 inspected at quarters, extra and 1st Div. at signals. Co. B. at single sticks. Marine Guard at small arms. On course N by W 1/2 W. Distilling. St. fires. 25 lbs. Bar. steady 29.67.

E. P. Jarrett
Master

Merid to 4 P.M. Clear and pleasant. Gentle to moderate breeze from W.S.W hauling to W. Steering course N by W 1/2 W. At 1 p.m. set T.J. staysail. Hauled fires at 1.50. Issued clothing. Looked storm sails to dry. At 3. took in mainsail preparatory to ~~ca~~ reeving chest, and set it again

Saml Leslie
Ensign

4. to 6 P.M. Clear and pleasant. Moderate breeze from W. Smooth sea. Bar. falling. Steering the course first part, full and by last half hour.

C. B. T. Moore
M. Ensign

6 to 8. p.m. Clear and pleasant Moderate breeze from W.N.W. Smooth sea. Bar. falling 29.62 at 8. By the wind. At 7 took in royals and flying jib and one reef in topsails took in gaff topsail. Moon rose at 7.30 p.m.

E. P. Jarrett
Master

8. to Mid. Cloudy, cool, and pleasant. Stiff breeze from W.N.W. Obscured moonlight. Heavy dew. Full and by. Bar. falling 29.58

Saml Leslie
Ensign

Moon's phase Full moon dec N 14°

Examined and found to be correct.

C. B. T. Moore
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

Making passage from Falkland Islands to Montevideo.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	7	N by E ½ E.	N.W. by W.	4-5		29.53	58	50	50	51	b. c. w.	St. Nimb	0	D.	Plain sail to single reefd
2	5	4	"	"	5-7		29.48	57	50	50	51	b. c. g. w.	"	4	"	topsails
3	3	4	N by E ½ E.	"	6-7		29.45	57	50	50	51	"	Cir. + St. Nimb	3	"	Took in T.G. sails and
4	3	8	N ½ E.	W.N.W.	6-7		29.47	57	50	50	51	"	"	1	"	double reefed topsails.
5	5	0	N. by E.	"	7-8		29.37	57	50	50	52	b. c. g.	Nimb St.	0	M.	Hauled down jib
6	5	0	"	"	7-8		29.32	57	51	52	52	"	"	0	"	
7	4	4	N N. E.	N.W. by W.	7-8		29.26	57	52	52	53	"	"	0	Q.	Observed fresh Course and topsails
8	3	7	N by E.	W.N.W.	8		29.20	57	53	53	54	b. c. g. f.	"	0	"	Hauled down head of spanker
9	4	0	"	W by N.	7-8		29.18	57	52	52	54	"	"	0	"	
10	3	5	N by W.	W.	7		29.18	57	53	53	54	"	"	0	"	
11	3	2	N by W ½ W.	W.S.W.	6		29.21	57	53	53	54	b. c. g.	Cir. St.	4	"	Hauled jib, hauled out
Noon.	4	0	"	"	6		29.25	57	53	53	49	"	"	8	"	head of spanker shook
																two reefs out of topsails.

54-20
W 56-43-

Distance run by Log since preceding Noon: 107 knots 4 ~~miles~~ fathoms.

Latitude by D. R. at Noon: S 48 · 17 · 2 "

Longitude by D. R. at Noon: W 56 · 53 · 25 "

Latitude by Observation at Noon ⊙: S 48 · 11 · 22 "

Log 110 Longitude by Chronometer from Forenoon Observations ⊙: W 56 · 43 · 18 "

562 Current during the time knots 4 ~~miles~~ per hour setting to the N E ½ E

Variation of the Compass by Amplitude ⊙ observed at Sunrise: " " "

Variation of the Compass by Azimuth ⊙ observed at: " " "

Water expended during the preceding 24 hours: 300 gallons.

Water during the preceding 24 hours: "

Water remaining on hand fit for use at Noon: 2 5 50 "

Coal consumed during the preceding 24 hours: tons lbs.

Coal remaining on hand at Noon: " "

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in Tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	4 5	4	N by W. ½ W. N N W.	W.S.W.	6		29.26	57	54	54	50	b. c. g.	Cum. St.	6	H.	Set T.G. sails
2	4	6	"	"	6		29.29	58	54	54	50	"	"	5	"	
3	5	0	"	"	6		29.31	58	54	54	50	"	"	5	"	
4	6	5	"	"	7		29.33	58	55	54	50	"	"	5	"	
5	6	8	"	W by S.	6		29.35	58	55	54	58	"	"	2	"	
6	5	8	"	W.S.W.	6		29.39	58	54	54	51	b. c.	Nimb. St.	0	"	
7	5	4	"	W by S.	5		29.39	59	54	54	52	"	"	0	"	
8	5	2	"	"	5		29.41	59	54	54	53	"	"	0	"	Took in T.G. sails, single
9	5	2	N N. W ½ W.	W.S.W.	5		29.42	59	54	54	54	"	"	0	"	reefed topsails.
10	4	4	"	"	4		29.43	59	54	54	55	"	"	0	"	
11	4	5	"	"	5		29.46	59	54	54	55	b. c. f.	Nimb	6	"	
Mid.	4	2	"	"	4		29.46	59	54	54	55	"	Cir. Nimb	1	"	

54-27
W 56-47

Longitude by Chronometer from Afternoon Observations ⊙: " " "

Longitude by Chronometer from Observations: " " "

Variation of the Compass by Amplitude ⊙ observed at Sunset: " " "

Variation of the Compass by at: " " "

under the command of Commander W. S. Schley, U. S. Navy,

Friday, February 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy, damp and disagreeable. Moderate to very fresh breeze from N.W. by W. blowing in squalls. Bar. falling. Took in T.G. sails at 1.55 and at 2.15 took a second reef in the topsails.

C. B. T. Moore
Ensign

From 4. to 8. AM. Overcast. Cloudy. Blowing a moderate gale in squalls from W.N.W. & N.W. by N. Moderate to rough sea. Bar. falling fast. Steering by the wind. At 4.40 hauled down jib. Between 6. & 7. Close reefed Courses and topsails. Set on fore under lower and topsail brakes. At 7.15 hauled down head of spanker.

L. R. Lewis
Lieut.

8 AM. to Merid. Overcast and squally first two hours of watch. Clearing last two. Rough sea. Bar. steady first two rising last two hours of watch, 29.23 at 12. Fresh breeze to moderate gale hauling from W. by N. to W.N.W. At 10.00 shook one reef out of courses, and hauled out head of spanker. At 10.30 shook one reef out of topsails, 11.0 shook out second reef and hoisted jib. Steering the course N. by W. ½ W. last two hours.

Lucien Young
Ensign

Merid. to 4 PM. Cloudy, hazy, and pleasant. Fresh to very fresh breeze from W.N.W. At 12.15 set T.G. sails. At 12.55 Changed course to N.N.W. Moderate sea. Bar. rising 29.33. Light swell from N.E. & W. On course N.N.W.

C. B. T. Moore
Ensign

4. to 6. PM. Cloudy, hazy and disagreeable. Overcast last hour. Fresh breeze from W. by S. to W.S.W. Moderate sea. Bar. falling. Steering course N.N.W.

L. P. Jewett
Master

6. to 8. PM. Overcast. Cloudy. Stiff breeze from W. by S. Moderate sea. Bar. rising. Steering the course. At 7.35 furled T.G. sails, and single reefed topsails. At 8. Changed course to N.N.W. ½ W.

Lucien Young
Ensign

8. PM. to Mid. Overcast, with passing rain showers, last two hours of watch. Clearing at end of watch. Moderate to stiff breeze from W.S.W. Moderate sea. Bar. rising 29.46 at 12. At 10.45 hauled down jib.

C. B. T. Moore
Ensign

Moons phase 2nd 3d Qr. due N. 8°

Examined and found to be correct.

L. R. Lewis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 2d Rate, 6 Guns,

At Sea, Making Passage from Falkland Islands to Montevideo.

Hour.	Knots.	Fathoms	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	3	0	N.N.W.½W.	W.S.W.	4		29.46	59	53	53	54	b.p.	Cum. Str. & Nimb	0	S.	Double reefed topsails F.S. Staysail. Reefed mainsail. Single reefed M. sail. and F. sail.
2	3	0	"	"	4		29.47	59	53	53	54	b.c.	"	7	"	
3	½	8	"	"	4		29.48	59	53	53	54	"	"	7	"	Shook reef out of F. sail,
4	3	1	"	"	4		29.48	57	54	54	54	"	"	7	"	topsails and set
5	4	0	"	"	4-5		29.50	58	54	54	57	"	"	7	"	F.G. sails and jib
6	5	7	"	S.W.by W.	4		29.53	58	54	54	57	"	Cir. Cum & Str.	4	"	
7	4	5	"	S.W.by S.	4		29.55	58	55	55	57	"	Cir. Str.	9	"	
8	3	7	"	S.W.	3		29.56	58	56	56	57	"	"	9	"	Hoisted fly jib set royals.
9	½	3	"	"	½		29.58	59	56	56	57	"	"	9	"	
10	2	3	"	W.S.W.	2		29.60	59	56	56	58	"	"	8	"	Hauled down jib
11	2	2	"	"	1-2		29.62	59	58	58	58	"	"	8	"	Hoisted jib.
Noon.	2	2	"	"	2		29.64	59	57	57	58	"	"	8	"	

Distance run by Log since preceding Noon 104 knots 5 tenths fathoms

Latitude by D. R. at Noon S. 46 · 30 · 12 ·

Longitude by D. R. at Noon W. 57 · 11 · 30 ·

Latitude by Observation at Noon ☉ S. 46 · 14 · 13 ·

Longitude by Chronometer from Forenoon Observations ☉ W. 56 · 58 · 57 ·

Current during the time 1 knots ~~tenths~~ fms per hour setting to the N.E. × N.

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at S. Am. (Lat 46-23 Long 56-56) E. 12 · 25 · 00 ·

Water expended during the preceding 24 hours 200 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2250 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Lg. Mer. 56.2

P. M.																
1	1	8	N.N.W.½W.	W.S.W.	1-2		29.62	59	57	57	58	b.c.	Cir. Str.	9	S.	
2	1	0	"	"	1		29.65	59	58	58	58	"	"	9	"	
3	1	5	"	"	1		29.65	59	61	59	58	"	"	9	"	
4	1	0	"	"	1		29.66	60	61	61	58	"	"	9	"	
5	1	0	"	S.W.	1		29.68	61	60	60	59	"	"	9	"	
6	1	2	"	"	1		29.69	63	59	58	59	"	"	9	"	
7	1	5	"	S.S.W.	1		29.70	62	58	58	59	"	"	9	"	
8	1	0	"	"	1		29.70	62	58	58	59	"	"	9	"	
9	0	5	"	S.W.	0-1		29.73	62	58	58	59	"	"	7	"	Took in royals and
10	0	5	N.N.W.	"	0-1		29.74	62	58	58	59	"	"	7	"	flying jib. Hauled
11	0	0	"	Calm	0		29.75	62	58	58	59	"	"	8	"	up M. sail.
Mid.	0	5	"	S.W.	0-1		29.78	62	58	58	59	"	"	9	"	

(Lat 46-04 Long 57-02)

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations *

Variation of the Compass by Amplitude ☉ observed at Sunset

Variation of the Compass by at

under the command of Commander H. S. Schley, U. S. Navy,

Saturday, February 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. First hour, overcast and passing rain, then cloudy and pleasant. Moderate breeze from W.S.W. Heavy swell from W.S.W. Occasional moonlight. On course N.N.W. ½ W.

L. P. Jewett
Master

4 to 8 A.M. Began cloudy. Clear and pleasant last half of watch. Moderate to gentle breeze from W.S.W. veering to S.W. by S. decreasing in force. Long swell from S.S.W. Barometer rising. At 4.40 shook one reef out of the topsails and set T.G. sail. At 5. shook reef out of foresail and first reef out of the topsails, and hoisted jib. Steering the course N.N.W. ½ W.

L. K. Lewis
Lieut.

8 A.M. to Merid. Clear and pleasant. Light breeze from S.W. and W.S.W. Smooth sea. Bar. rising. Steering the course. At 8.10 hoisted flying jib and set royals. At 9.30 hauled down jib, in order to repair the jibboom. At 10.15 hoisted jib. Mended the sheave of the fore topsail tye block. Took off fore and after braces

C. B. T. Moore
Ensign

Merid. to 4 P.M. Clear and pleasant. Light airs from W.S.W. Bar. steady at 29.60. Long swell from S.W. Under all plain sail. Steering the course. N.N.W. ½ W.

L. P. Jewett
Master

4 to 6 P.M. Clear and pleasant. Light airs from S.W. Long swell from from S.W. and N.W. On course N.N.W. ½ W.

Louis Sigsbee
Ensign

6 to 8 P.M. Clear and pleasant. Light airs from S.S.W. Bar. steady. Long swell from S.S.W. Steering course N.N.W. ½ W.

C. B. T. Moore
Ensign

8 P.M. to Mid. Clear and pleasant. Partly overcast last hour of watch. Calm and light airs from S.W. Bar. rising. Moderate swell from S.S.W. Steering the course. Ahg furled royals, stowed flying jib, and hauled up mainsail. Changed course at 9 to N.N.W.

L. P. Jewett
Master

Prime phase. 2m 3d ½ Gp. No 1°

Examined and found to be correct.

L. K. Lewis
Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea, Making Passage from Falkland Islands to Monte Video

Hour.	Knots.	Tenths Fathoms	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	0	5	N. N. W.	Calms	0		29.78	67	58	58	58	h. c.	Cir. Str.	4	S	
2	0	5	"	"	0		29.79	67	58	58	58	o. c.	Cir. Mus.	0	"	
3	0	5	"	"	0		29.80	67	58	58	58	h. c.	Cir. Str.	6	"	
4	0	5	"	"	1		29.80	67	58	58	58	"	"	8	"	
5	0	5	"	L. B.	1		29.85	67	57	57	58	"	"	8	"	Set royals.
6	0	5	"	C.	1		29.85	61	57	57	58	"	"	8	"	
7	0	8	"	E. N. E.	1		29.86	61	58	58	58	"	"	8	"	Set M. sail, Sprunter
8 8	1	0	"	"	1		29.86	61	58	58	58	"	"	8	"	Set topsail & jib
9	1	5	"	N. E.	1		29.87	62	59	59	58	"	"	9	S.	
10	2	0	N. N. W 1/2 W.	N. E. by N.	2	1/4	29.88	62	60	60	58	"	"	9	"	
11	3	6	N. W. 1/2 N.	"	3	1/4	29.88	63	60	60	58	"	"	9	"	
Noon.	3	6	N. W. by N.	"	3	1/4	29.88	61	61	60	58	"	"	9	"	

S 42.33. W 57.07

Distance run by Log since preceding Noon — 26 knots 7 tenths ~~fathoms~~

Latitude by D. R. at Noon — S 45. 48. 43.

Longitude by D. R. at Noon — W 57. 8. 21.

Latitude by Observation at Noon ⊙ — S 45. 45. 45.

Longitude by Chronometer from Forenoon Observations ⊙ — W 57. 11. 21.

Current during the time ~~Set~~ knots ~~tenths~~ hns. per hour setting to the

Lg. Ran. 5.62

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at 8 A.m. (S 45. 55. W 57. 07) — E 11. 55.

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon — 1907

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon

P. M.																
1	0	0	Anch. 15.	N. N. E.	4		29.88	60	61	61	59	h. c.	Cir. Str.	9	L	
2	4	5	N. W by W.	N. by E.	4		29.87	61	60	60	59	"	"	8	"	Set M. sail, T.G. sails royals & fly. jib
3	5	8	W. N. W.	N.	5		29.85	60	59	58	59	"	"	7	"	Moved fly. jib.
4	5	5	N. W. by W. 1/2 W.	N. by E.	4		29.83	60	58	58	59	"	"	8	"	
5	6	2	W. N. W.	N.	5		29.80	62	58	58	59	h. c. g.	"	8	"	
6	6	8	W. N. W. 1/2 W.	"	5		29.79	62	59	59	59	"	"	8	"	Took in royals.
7	6	6	W. N. W. 1/2 W.	N. W. by W.	5		29.78	62	58	58	59	"	"	8	M.	Dingle reefed topsails
8 4	4	0	W. 1/2 N.	N. by W.	6	1/4	29.77	62	57	57	59	"	"	8	"	
9	3	8	W. 1/2 N.		5		29.76	64	56	56	59	h. c. n. z.	"	9	L	
10	3	8	W.	N. N. W.	4-5		29.76	62	56	56	59	"	"	8	"	
11	2	0	N. E. 1/2 N.	"	4		29.76	63	56	56	59	"	"	8	"	
Mid.	2	4	"	"	4		29.76	63	55	53	57	h. c. m. f.	"	5	"	

S 42.27 W 58.03

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations *

Variation of the Compass by Amplitude ⊙ observed at Sunset

Variation of the Compass by at

under the command of Commander W. S. Schley, U. S. Navy,

Sunday, February 9th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4. AM. Clear and pleasant. Bright moonlight. Calm first three hours, light airs coming aft from N. & W. last hour of watch. Bar. 29.30. Long swell from N.W.

Danl Sinclair
Ensign

4. to 8. AM. Clear and pleasant. Light variable airs from S.E. to E.N.E. At 4.30 set royals. At 6.50 set mainsail, spanker, gaff topsail and fly. jib. Long swell from N.W.

L. R. Curtin
Lieut.

8 AM. to Mid. Clear and pleasant. Light airs to light breeze from N.E. to N.E. by N. Steering full and by. Bar. Steady 29.88 Long swell from N.W. Clewed up royals and hauled down fly. jib at 11.45. Clewed up T.G. sails at 11.55. Signaled U.S.S. C. (Com. code) to an American Whaling vessel, bearing down on us. By order of Comdg. Officer released W. C. Montgomery (O.S.) from confinement and made him a prisoner at large.

E. P. Jarrett
Master

Mid. to 4. P.M. Clear and pleasant. Moderate breeze from N.N.E. to N. Bar. falling. Smooth sea. Steering by the wind. At 12.05 hauled up mainsail and hove to with main topsail to the mast. Communicated with the American Whaling bark "Sea Fox" of New Bedford Mass. At 12.45 filled away and then luffed sharp to, Captain Jenkins of the "Sea Fox" came on board. At 1.10 set mainsail and T.G. sails Steered full and by. At 1.30 set royals, and at 1.45 hoisted fly. jib. At 2.50 hauled down and stowed flying jib.

Danl Sinclair
Ensign

4. to 6. P.M. Clear and pleasant with stiff breeze from N. Bar. falling 29.79. at 6. Long swell from N.W. At 5.50 took in and furled royals.

L. B. T. Myers
Ensign

6. to 8 P.M. Clear and pleasant. Stiff to fresh breeze from N. by W. At 6.30 mustered at quarters At 7 furled T.G. sails, took single reef in topsails. Moderate sea. Full and by.

E. P. Jarrett
Master

8 P.M. to Mid. Clear and very damp. Heavy fog for a few minutes of the last hour. Moderate to stiff breeze from N. by W. to N.N.W. Steering full and by. Bar. steady At 8.07 moon rose. At 10.05 hove ship

Danl Sinclair
Ensign

Moon's Phase. 2nd 3d Qr. Decr. S. 5°

Examined and found to be correct.

L. R. Curtin
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Esse", 2d Rate, 6 Guns,

At Sea, Making passage from Falkland Islands to Monte Video.

Hour.	Knots.	Depth, Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air Dry Bulb.	Air Wet Bulb.	Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. at clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																Under Sail, fore & main topsails single reefed, topsails, courses and spanker.
1	2	8	N.E. ¾ N.	N.N.W. by N.	4	½	29.76	67	54	54	54	b. f. cr.	–	0	D.	
2	3	0	N.E. by N.	"	4	½	29.76	67	54	54	54	b. f. cr.	–	7	"	
3	2	5	N.N.E. ½ E.	N.W.	3	½	29.76	67	54	54	54	b. c. cr.	Cir. Str.	3	"	
4	2	0	N.E. by N.	N.W. by N.	4	¾	29.75	61	54	54	54	b. c.	"	3	"	Took in F.S. Staysail. Set
5	1	7	"	"	4	¾	29.74	60	53	53	53	"	"	2	"	J.G. sails. Shook reef
6	2	2	N.N.E. ½ E.	"	3	¾	29.73	61	56	56	56	"	"	4	"	out of topsails.
7	2	4	"	"	3	¾	29.73	60	57	57	57	"	"	8	"	
8	3	6	N.E. ½ N.	"	3		29.72	60	57	57	57	"	"	9	"	
9	5	2	N.E. ¼ N.	N. N.W.	4		29.71	60	58	58	58	"	"	8	"	Set royals, flying jib
10	6	0	N.E.	"	4		29.70	60	58	58	58	"	"	8	"	and B. topsail.
11	4	5	N.N.W. ½ W.	N.	5		29.67	60	58	58	58	"	"	5	"	Furled royals and
Noon.	4	5	"	"	4		29.65	60	59	58	58	"	"	4	"	took in fly. jib.

Distance run by Log since preceding Noon — 91 knots 8 tenths fathoms.

Latitude by D. R. at Noon — S 44 · 54 · 45 "

Longitude by D. R. at Noon — W 57 · 39 · 15 "

Latitude by Observation at Noon ⊙ — S 45 · 13 ; 13 "

Longitude by Chronometer from Forenoon Observations ⊙ — W 57 · 45 · 46 "

Lg. No. 5·62 Current during the time — knots 7 tenths fms. per hour setting to the — S × W ¼ W

Variation of the Compass by Amplitude ⊙ observed at Sunrise — " " "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M. Lm. 8. 45. 24 / Lm. 5. 7. 47 — 12 · 40 · 00 "

Water expended during the preceding 24 hours — 200 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1750 "

Coal consumed during the preceding 24 hours — tons — lbs.

Coal remaining on hand at Noon — " "

P. M.															
1	3	8	W ¼ N.	N. by W.	4		29.64	61	59	58	58	b. c. z.	Cir. Str.	5	D.	
2	3	8	W ¼ S.	N.N.W.	4		29.63	61	59	58	58	"	"	7	"	
3	3	3	W ½ S.	"	4		29.62	61	59	59	58	"	"	8	"	
4	4	8	N.N.E.	N.W.	4		29.61	61	59	59	58	"	"	8	"	Set royals & fly. jib.
5	4	4	N. by E. ¾ E.	"	4		29.59	61	58	58	58	"	Cir. & Mind Str.	8	"	
6	4	6	N.N.E. ½ E.	N.N.W.	4		29.58	61	57	57	57	"	"	7	"	
7	5	2	N.	W.	4		29.58	62	57	57	57	o. c. z.	"	1	"	
8	4	2	"	"	3		29.59	63	57	57	58	b. c. l.	"	0	"	
Lg. No. 5·76 9	3	8	"	"	4		29.62	62	58	58	58	"	"	4	"	Took in J.G. sails.
10	3	0	"	"	3		29.61	63	58	58	58	"	"	4	"	Set J.G. sails.
11	2	8	"	"	3		29.60	63	58	58	58	"	"	2	"	
Mid.	3	5	"	"	4		29.61	63	57	57	57	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊙ — " " "

Longitude by Chronometer from Observations * — " " "

Variation of the Compass by Amplitude ⊙ observed at Sunset — " " "

Variation of the Compass by — at — " " "

under the command of Commander W. S. Schley, U. S. Navy,

Monday, February 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4. AM. Overcast, foggy and wet first two hours of watch, with thick scud driving over to leeward. Clear last two hours. Moderate to light breeze from NW. by N. Bar steady. Smooth sea. Steering by the wind. At 3.1 reeled down F. S. staysail.

C. B. T. Moore
Ensign

4 to 8 AM. Clear and pleasant with gentle breez from N.W. by N. Smooth sea. Bar. falling 29.72 at 8. By the wind. At 5 shook reefs out of topsails, set J.B. sails

E. P. Jarratt
Master

8 AM. to Merid. Clear and pleasant. Latter part cloudy. Moderate to stiff breeze from N.N.W. to N. At 8.20 set royals and J. jib and G. topsail. At 9.45 sounded to general quarters 1st Div. reported ready at 9.22, 2d Div. 9.18.35, Nav. 9.18. Powder 9.18.15. Engs. 9.17. Mks. 9.16.30. Exercised divisions at general quarters. Secured at 9.25. Sounded retreat at 9.37. At 10. backed ships. At 10.50 furled royals, stowed J. jib. Shook out storm staysails to dry. Issued small stores, Examined bags. Full and by Bar. falling 29.65.

Lamb Ensign

Merid. to 4 PM. Clear and pleasant, hazy around horizon. Moderate breeze from N.N.W. to N.W. Bar. falling 29.61 at 4. Smooth sea. Backed ships at 3.15. Set royals and fly. jib at 3.20. Steering full and by.

C. B. T. Moore
Ensign

4 to 6 PM. Partly overcast, pleasant. Moderate breeze from N.W. to W.N.W. Bar. falling. Gentle swell from N. Steering by the wind first hour, in the course second hour

E. P. Jarratt
Master

6 to 8. PM. Mostly overcast, but pleasant. with gentle to moderate breeze hauling from W.N.W. to W. Bar. rising 29.59. Sea smooth. At 7.05 took one reef in topsails, furled royals and stowed J. jib and G. topsail

Lamb Ensign

8 PM. to Mid. Cloudy and pleasant. Moderate to gentle breeze from W. At 8.20, furled J.B. sails. At 10 set J.B. sails. From 8.20 until 10.20 remarked bright and vivid flashes of lightning in NW. to N.E. horizon. Latter part of watch, occasional lightning to NE. 6th. Light wind from NE. to E. On course N. Bar. steady.

C. B. T. Moore
Ensign

Mem. Plane 2m 3d Qr. Dec. 5 11°.

Examined and found to be correct.

L. R. Lamb
Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea. Making passage from Falkland Islands to Monte Video

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	WINDS. Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																Under sail: J. Fr. staysail foresail, single reefed mizzenmast, single reefed topsails and fr. & sail
1	4	5	N ¼ E.	W.S.W.	4		29.67	64	58	58	57	b.c.sq.l	Ni. Nimb	1	S	
2	4	8	N.	W.by W.	2-4		29.62	64	58	58	57	"		2	"	
3	2	8	"	"	3		29.61	64	58	58	57	"	Cir. & Str. Nimb	1	"	
4	3	7	"	"	4-5		29.61	64	58	58	57	"	"	1	"	
5	4	5	"	W by S.	5-3		29.67	63	58	58	59	b.c.	"	2	"	
6	2	0	"	S.W by S.	3-2		29.67	63	58	58	59	b.c.sq.	Cir.Cum.	4	"	Shortened sail & repaired Rat rigging.
7	3	4	"	"	3-2		29.70	63	59	58	59	b.c.	Cir.	8	"	Hoisted fly jib and Set spanker.
8	4	5	"	S.W. by W	3		29.72	63	59	58	59	"	"	9	"	
9	4	8	"	S. W.	3		29.74	62	60	60	59	"	"	9	"	
10	4	5	"	"	3		29.75	61	61	60	59	"	"	9	"	
11	3	7	"	S.S.W.	3		29.77	60	60	59	59	"	Str.	9	"	
Noon.	4	0	N.by W.	S.	3		29.77	60	60	59	59	"	"	9	"	

Distance run by Log since preceding Noon — 96 knots 9 tenths fathoms.

Latitude by D. R. at Noon — S 43 · 47 · 13 "

Longitude by D. R. at Noon — W 57 · 31 · 16 "

Latitude by Observation at Noon ⊙ — S 43 · 52 · 36 "

Lgt. No 576 Longitude by Chronometer from Forenoon Observations ⊙ — W 57 · 19 · 27 "

Current during the time — knots 4 tenths per hour setting to the S.E. x E

Variation of the Compass by Amplitude ⊙ observed at Sunrise — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at 8h 44m 09s W 57 · 7 · 24 — ° ′ ″

Water expended during the preceding 24 hours — 2 50 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1500 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.															
1	1	9	N by W.												
	1	9	N ½ W.	S.S.W.	3		29.80	67	60	60	61	b.c.	Cum. Str.	9	S
2	3	4	"	"	3		29.82	62	62	62	61	"	"	9	"
3	2	6	"	"	2		29.83	63	63	63	61	"	"	9	"
4	2	0	"	"	2		29.84	64	64	64	61	"	"	9	"
5	2	4	"	W.S.W.	2		29.84	64	63	62	60	"	Cir. Str.	9	S
6	3	4	"	S.W.	3		29.83	63	61	60	60	"	"	9	"
7	2	5	"	S.W by W.	2-1		29.85	65	60	60	60	"	"	8	"
8	1	4	"	W by S.	1-2		29.87	65	59	59	59	"	"	8	"
9	3	2	"	W.	2-3		29.89	65	58	58	60	"	"	9	"
10	4	5	"	W. by N.	3		29.89	65	58	58	60	"	"	8	"
11	4	8	"	"	3		29.89	65	58	58	60	"	"	8	"
Mid.	4	6	"	W.	3		29.89	64	58	58	60	b.c.m	"	8	"

Longitude by Chronometer from Afternoon Observations ⊙ — ° ′ ″

Longitude by Chronometer from Observations — ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset — ° ′ ″

Variation of the Compass by at — ° ′ ″

under the command of Commander W. A. Ashley, U. S. Navy,

Tuesday, February 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Cloudy and overcast most part of watch. Light to gentle breeze from W.N.W. varying to W. Bar. steady 29 61. Smooth sea. Short lightning around the horizon. Steering by the wind, On her course last two hours

D. P. Jouett
Master

4 to 8 AM. Clear and pleasant after first hour of watch. Stiff to light and gentle breeze from S.W.by S. to S.W. by W. Bar. rising. Smooth sea. Steering the course. At 5.15 shook reefs out of topsails and set royals. At 7 set fly. jib. At 7.10 set spanker and gaff topsail

G. M. Curtis
Lieut.

8. AM. to Merid. Clear and pleasant with gentle breeze from S.W. to S. Bar. rising 29.79 at noon. At 9.15 mustered and inspected at quarters, and exercised the crew as per routine. At 11. o'clock spoke French Bark Louise Marie of St. Malo. 35 days from Table Bay, bound to Iquique, all well on board. At 11. Changed course to S.S.W by W. Under all plain sail. ~~Mid~~ On course.

G. B. L. Moore
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Gentle to light breeze from S.S.W. At 12.30 changed course to S½W. Bar. rising. Long swell from S.W. On course S½W.

D. P. Jouett
Master

4. to 6 P.M. Clear and pleasant. Light to gentle breeze from W.S.W. Bar. rising. Smooth sea. Steering the course. Washed ship

Wm. C. Cozzens
Ensign

6. to 8 P.M. Clear and pleasant. Light breeze to light airs from S.W. by W. and W. by S. Bar rising. Smooth sea. Steering the course. Mustered at quarters at 6.30

G. B. L. Moore
Ensign

8. ~~P.M.~~ to Mid. Clear and pleasant. Gentle breeze from W. by S. Moon rose at 9. Smooth sea. Bar steady 29.89 at 12. Steering course. Under all plain sail.

D. P. Jouett
Master.

Moons phase. Is 3 days or. dec S 17°

Examined and found to be correct.

G. M. Curtis
Lieut

Navigator.

LOG of the UNITED STATES Steamer Fenton, 3 Rate, 6 Guns,

At Sea Making passage from Falkland Islands to Montevideo Uruguay

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	4	0	[illegible]	[illegible]	3		29.96	45	58	58	60	b	broken	7	S.	All plain sail
2	3	0	"	"	2		29.96	45	58	58	60	"	"	7	"	
3	1	8	"	"	1		29.96	45	58	58	60	"	"	7	"	
4	1	7	"	"	1		29.96	45	58	58	60	"	Cir	7	"	
5	1	7	"	[illegible]	1		29.96	58	58	58	60	"	"	8	"	
6	1	8	"	[illegible]	1		29.96	63	59	59	60	"	"	9	"	
7	3	0	"	[illegible]	2		30.00	63	59	59	60	"	"	9	"	
# 8	1	6	"	"	2		29.97	63	59	59	60	"	"	9	"	
9	1	8	"	"	2		29.97	63	59	58	61	b	"	10	"	
10	1	8	N 6 W ½ W	[illegible]	2		29.96	63	59	58	61	"	"	10	"	
11	3	0	N 6 W ½ W	[illegible]	2		29.91	63	59	59	61	"	"	10	"	
Noon.	3	0	N 6 W ½ W	[illegible]	2		29.94	63	59	59	62	bc	"	9	"	

Distance run by Log since preceding Noon — 81 knots 6 ~~fathoms~~ tenths

Latitude by D. R. at Noon — S 48 . 1 . 36 "

Longitude by D. R. at Noon — W 57 . 12 . 27 "

Latitude by Observation at Noon ⊙ — S 42 . 41 . 27 "

Longitude by Chronometer from Forenoon Observations ⊙ — W 57 . 1 . 2 "

Lg. Chr. 5-76

Current during the time — knots 9 ~~fms.~~ miles per hour setting to the NNE

Variation of the Compass by Amplitude ⊙ observed at Sunrise — " . " "

Variation of the Compass by Azimuth ⊙ observed at 8 Am. — E 12 . " "

Water expended during the preceding 24 hours — 300 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at Noon — 1200 "

Coal consumed during the preceding 24 hours — tons " lbs.

Coal remaining on hand at Noon — " "

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	1	8	N 6 W ½ W	[illegible]	2		29.92	63	61	61	62	bc	Cumulus	9	S.	
2	1	7	N 6 W ½ W	"	2		29.92	63	63	63	63	"	"	9	"	
3	1	8	N 6 W ½ W	"	2		29.92	65	64	64	63	"	"	9	"	
4	3	0	"	"	2		29.92	65	64	64	63	"	"	9	"	
5	1	6	N 6 W ½ W	[illegible]	2		29.92	65	63	63	63	"	"	9	"	
6	1	6	"	"	2		29.92	65	62	62	62	"	Cu Str	9	"	
7	3	3	N 6 W ½ W	[illegible]	2		29.92	65	60	60	62	"	"	9	"	
# 8	3	0	N 6 W ½ W	[illegible]	3		29.92	65	60	60	62	"	"	9	"	
9	3	0	N 6 W ½ W	"	2		29.92	65	60	60	62	bcg	"	9	"	Set on topsails and
10	1	0	N 6 W ½ W	[illegible]	1		29.92	65	60	60	62	"	"	9	"	Laying it
11	1	8	N 6 W	"	2		29.92	65	60	60	62	bc	"	9	"	
Mid.	3	0	N 6 W ½ W	[illegible]	2		29.93	65	60	60	62	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊙ — " . " "

Longitude by Chronometer from Observations — " . " "

Variation of the Compass by Amplitude ⊙ observed at Sunset — " . " "

Variation of the Compass by — at — " . " "

under the command of Lieutr Comdr W. Scott Dudley, U. S. Navy,

Wednesday, February 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends Clear and pleasant Gentle breezes & light airs from N & W. Bright moonlight. Barometer steady Ships course N 1/2 W.

Robt C. Smith
Ensign

From 4 to 8 A.M. Clear and pleasant Light airs to light breeze from S.W. by W. Sailing at times Barometer rising Smooth sea Ships course N.W. 1/2 W.

Le. K. Lewis
Asst Engr

From 8 A.M. to Noon Clear and pleasant Light and gentle breezes from W.N.W. and N.W. Barometer rising. Smooth sea Steering the course first and last hours of watch. By the wind second and third hours Quarters for muster at 9 A.M. Drilled 1st and 2nd Divisions great guns Powder Division at Stations for general service Overhauling ridge ropes grab ropes and boom ladder.

E. P. Jewett
Master

Noon to 4 P.M. Clear and pleasant with light breezes from N. to N.N.W. By the wind under all plain sail close reefed mainsail Barometer steady at 29.92 Smooth sea At 2 hauled up mainsail took second reef and set it again At 2.05 started fires in two boilers for distilling

Robt C. Smith
Ensign

From 4 to 6 P.M. Clear and pleasant Light breezes from W.N.W. by W. At 5 commenced distilling Fires banked in two boilers Full and by.

L. B. T. Moore
Ensign

From 6 to 8 P.M. Clear and pleasant. Light & gentle breezes from W.N.W. by W. Sailing to W. by N. Bar steady. Smooth sea Steering full and by. Distilling

E. P. Jewett
Master

From 8 P.M. to Midn. Clear and pleasant Light breezes from W.N.W. by W. to W.N.W. by W. Bar. steady Smooth sea Steering by the wind At 8.15 Took in royals and flying jib Distilling with fires banked in two boilers Average steam pressure 25 lbs. Mess at 6 P.M.

Robt C. Smith
Ensign

Moon in phase. In 3d Qr. Dec. S 12°

Examined and found to be correct.

Le. K. Lewis
Lieut.

Navigator.

LOG of the United States Steamer "Essex", 3d. Rate, 6 Guns,

At Sea. Making passage from Falkland Islands to Monte Video.

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1	9	N. 1/4 E.	N. N. W. by W.	3		29. 96	65	60	60	60	b. c.	Cir.	9	S.	Main sail & J. S. two reefs
2	1	5	"	"	3		29. 88	65	60	60	60	"	"	9	"	in Mainsail.
3	1	3	N.E. by E. 1/2 E.	N. W.	2		29. 87	65	60	60	60	"	"	9	"	
4	1	3	"	"	2		29. 87	65	60	60	60	"	"	9	"	
5	2	0	N.E. 1/4 N.	N. N. W.	3		29. 87	64	60	60	61	"	Cir. Stri.	9	"	Set royals and fly jib
6	4	4	N.E. 1/4 E.	"	4		29. 88	64	60	60	61	"	"	9	"	
7	4	6	N.E.	"	4		29. 89	64	60	60	61	"	"	9	"	
# 8	3	0	N.E. by E.	"	4		29. 90	64	60	60	61	"	"	9	"	
9	5	0	N.E. by N.	N. N. by N.	5		29. 90	64	60	60	61	"	"	9	"	
10	5	1/2	N. 1/2 E.	N. N. W.	5		29. 90	64	60	60	61	"	"	9	"	
11	5	8	"	"	5		29. 90	64	60	60	61	"	"	9	"	Took in fly. jib.
Noon.	6	0	"	"	5		29. 88	64	60	60	61	"	"	9	"	

S 41-05 W 56-03

Distance run by Log since preceding Noon	66 knots 5 ~~fathoms~~ tenths
Latitude by D. R. at Noon	S 42 3 29
Longitude by D. R. at Noon	W 56 57 26
Latitude by Observation at Noon ⊙	S 42 2 42
Longitude by Chronometer from Forenoon Observations ⊙	W 56 23 17
Current during the time 1 knots ~~fms~~ tenths per hour setting to the	E 1/8 N
Variation of the Compass by Amplitude ⊙ observed at Sunrise	
Variation of the Compass by Azimuth ⊙ observed at 9 Alm.	S 42-09 W 56-05
Water expended during the preceding 24 hours	300 gallons.
Water Condensed during the preceding 24 hours	450 "
Water remaining on hand fit for use at Noon	14500 "
Coal consumed during the preceding 24 hours	tons lbs.
Coal remaining on hand at Noon	" "

Lg 20 5'76

P. M.																
1	6	0	W. 1/4 N.	N. N. W.	5		29. 85	63	62	62	62	b. c.	Cir. Stri.	9	S.	
2	6	7	W. 1/2 N.	N. by W.	6		29. 82	64	60	63	62	"	"	8	"	Took in royals.
3	6	8	"	"	6		29. 80	64	62	62	62	"	"	8	"	
4	6	2	W. 3/4 N.	"	5		29. 79	64	59	59	59	"	"	9	"	
5	5	5	W. 1/2 N.	"	5	1/4	29. 78	63	59	59	55	"	"	10	"	
6	4	8	W. 1/4 N.	"	5	1/4	29. 77	60	58	57	53	"	"	8	"	
7	4		N.E. 1/2 N.	N. N. W.	5		29. 77	63	58	58	54	b. c.	Cir. Cum. Stri.	0	"	
# 8	2	5	N. N. E. 1/2 E.	N. W.	4		29. 77	63	56	57	54	b. c. f.	"	1	"	
9	2	1	N. N. E.	"	3	1/4	29. 78	63	56	56	54	b. c. f.	"	0	"	
10	2	0	N. 1/2 E. 1/2 E.	N. W. by W.	2	1	29. 78	63	56	56	54	"	"	0	"	
11	1	3	N. 3/4 E.	N. N. W.	1	1	29. 80	64	57	57	54	b. c. f.	"	3	"	
Mid.	1	2	N.	"	1	1	29. 80	64	57	57	54	"	"	2	"	

S 41-45 W 56-33

Longitude by Chronometer from Afternoon Observations ⊙	
Longitude by Chronometer from Observations *	
Variation of the Compass by Amplitude ⊙ observed at Sunset	
Variation of the Compass by at	

under the command of Commander H. S. Schley, U. S. Navy,

Thursday, February 19th, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4. AM. Clear and pleasant, bright moonlight. Light to gentle breeze from N.W. by W. to N.W. Sea smooth. Bar. falling first two hours, steady last two at 29.87. Fires banked under two boilers - Distilling

C. B. T. Moore
Ensign

4. to 8. AM. Clear and pleasant. Gentle to moderate breeze from N.N.W. Distilling Bar. rising 29.90. Full and by. At 5 set royals and flying jib. Fires banked under two boilers - Distilling.

Le. K. Lewis
Lieut.

8. AM. to Merid. Clear pleasant weather. Stiff breeze from N.N.W. to N.W. by N. Bar. falling last hour. Smooth sea - Steering full and by. At 9.00 AM. tacked ship & Loosed storm sails to dry, and furled them at 10.50. Took in flying jib at 11.20. Distilling. Fires banked in two boilers, 25 lbs steam.

Chas. Lemly
Ensign

Merid. to 4 PM. Clear and pleasant. Stiff to fresh breeze from N.N.W. and N by W. Bar. falling. Smooth sea. Steering by the wind. At 1.30 furled royals and Mizzen storm staysail. Distilling with fires banked in two boilers, As. pressure 25 lbs.

C. B. T. Moore
Ensign

4. to 6 PM. Clear and pleasant, with stiff breeze from N. by W. Bar. falling. At 5.45 tacked ship. Fires banked in two boilers. Distilling

L. P. Jarrett
Master

6. to 8. PM. Overcast, cloudy, and hazy. Stiff to moderate breeze from N.N.W. to N.W. Remarked ~~tide~~ ripples - At 6.30 mustered at quarters. Banked fires in two boilers, St. pres. 25 lbs. Distilling. Full and by.

Chas. Lemly
Ensign

8. PM. to Mid. Overcast, cloudy, and foggy. Light airs to gentle breeze from N.W. to W.N.W. Bar. rising slowly. Distilling. Banked fires in two boilers At 8.15 took in gaff topsail. Steering full and by.

C. B. T. Moore
Ensign

Moons phase. At Last Qr. dec 3.25°

Examined and found to be correct.

Le. K. Lewis
Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea, Making passage from Falkland Islands to Monte Video.

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																Jib, F.T.N. Staysail, forecl reefed M-sail, T'gall S. T'gallt sail and spanker.
1	1	3	N. ½ E.	N.N.W.	4		29.80	63	56	56	55	b.w.	–	10	S.	
2	2	0	N.	"	3		29.80	63	55	55	55	b. f.w.	–	3	"	
3	2	5	"	"	3		29.79	63	55	55	55	o.f.w.	–	0	"	
4	1	6	"	"	4		29.79	63	55	55	55	"	–	0	"	
5	1	6	"	N.N.W.	2		29.80	63	55	55	55	o.c.f.w.	Cu.Strus	3	"	
6	2	5	"	S.S.W.	3		29.80	63	55	55	55	"	–	6	"	
7	2	8	"	S.	3		29.80	63	56	56	55	"	–	–	"	
8	2	6	"	"	3		29.84	63	56	56	55	"	–	–	"	
9	1	8	"	"	1		29.86	61	57	57	55	"	Cu.Strus St.C	0	"	Hauled up main sail
10	2	9	"	S.S.E.	2		29.88	61	59	59	59	b.c.m.	"	8	"	bibbed clew of M. sail,
11	2	4	"	"	2		29.87	60	59	60	59	"	"	4	"	spanker and C. T'gsail
Noon.	1	5	"	"	2		29.87	60	59	60	59	"	"	6	"	

Distance run by Log since preceding Noon 75 knots ~~leagues~~ fathoms.

Latitude by D. R. at Noon S 41 · 16 · 18 ·

Longitude by D. R. at Noon W 56 · 52 · 17 ·

Latitude by Observation at Noon ⊙ S 40 · 56 · 6 ·

Longitude by Chronometer from Forenoon Observations ⊙ W 56 · 31 · 36 ·

Current during the time knots fms. per hour setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

Variation of the Compass by Azimuth ⊙ observed at

Water expended during the preceding 24 hours 300 gallons.

Water Condensed during the preceding 24 hours 900 "

Water remaining on hand fit for use at Noon 2050 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

Hour.	Knots.	Fathoms.	Courses Steered.	Winds. Direction.	Winds. Force.	Leeway.	Barometer. Height in Inches.	Barometer. Ther. att'd.	Temperature. Air Dry Bulb.	Temperature. Air Wet Bulb.	Temperature. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
P. M.																
1	1	7	N. N.W.	S.E.	2		29.87	61	59	59	58	b.c.g.	Cu.Strus St.	5	S.	
2	3	6	"	E.	3		29.86	61	58	58	57	"	"	3	"	
3	3	4	"	"	3		29.85	61	59	59	57	"	"	6	"	Gaff fly. jib and F.T.N.
4	3	5	"	E. by N.	3		29.81	62	59	59	57	"	Cu. St.	8	"	staysail.
5	3	2	"	N.	3		29.83	61	58	58	57	"	"	5	"	
6	2	2	E.S.E.	N.E.	3		29.84	61	58	58	56	"	"	5	"	
7	2	8	N.N.W. ¼ W.	"	3		29.81	61	56	56	56	b.c.f.	"	6	"	
8	3	6	N.N.W. ¾ N.	"	4		29.82	61	55	56	56	"	"	–	S.	
9	4	8	N.N.W. ¼ W.		5	½	29.83	62	55	55	56	v.c.f.w.d.	"	"	S.	
10	2	5	N. ¾ W.	N.E. by E.	6	¾	29.83	62	54	54	56	"	"	"	"	Close reefed topsails
11	1	5	N.N.W.	"	6	3	29.82	62	54	54	56	"	"	"	"	
Mid.	1	0	"	"	6	2	29.87	62	54	54	56	"	"	"	"	Single reefed foresail

Longitude by Chronometer from Afternoon Observations ⊙

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude ⊙ observed at Sunset

Variation of the Compass by at

under the command of Commander W. S. Schley, U. S. Navy,

Friday, February 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM. Clear and pleasant, first hour of watch. Overcast, foggy, and very wet after. Light to gentle breeze from W.S.W. Bar. falling slowly. Smooth sea. Steering by the wind. Distilling with fires banked in two boilers. Av. st. pres. 20 lbs.

L. P. Quelle
Master

4 to 8. AM. Foggy and damp, with gentle breeze from W.S.W, hauling to S. last two hours. Bar. steady first three hours, rising last hour 29.84 at 8. At 5. Hoisted royals. At 6. Hoisted in spanker and hauled down F.J. staysail. Fires banked in two boilers, Av. st. pres. 25 lbs. Distilling.

Edward Farquhar
Ensign

8. AM. to Mid. Overcast, misty and foggy, first hour, then cloudy to pleasant. At 9. hauled up W. sail At 9.15 exercised divisions at 4th quarter. At 10. Hoisted colors with an English bark. At 10.30 set spanker gaff topsail and lee clew of mainsail. Set storm sails to dry. By order of Comdg. Officer (Ldg.) W. Pascoe was released from confinement and returned to duty. Placed John B. Roberts (Ldg.) in confinement in compliance with sentence of summary court. Av. press St. Distilling.

C. B. T. Moore
Ensign

Mid. to 4. PM. Pleasant weather, hazy around horizon. At 12.45 Changed to S. by W. Steering course. Wind light to gentle from S.E. hauling to E. by S. At 2.25 got a cast of the deep sea lead, no bottom at 82 fms. Main royals halliards parted, took in sail, and set it again as soon as halliards were repaired. Set flying jib and F.J. staysail at 3.40.

L. P. Quelle
Master

4 to 6 PM. Pleasant hazy weather. Gentle to light breeze from E.N.E. and N.E. Bar. rising. Smooth sea. Steering by the wind. Distilling with fires banked in two boilers, Av. st. pres 25 lbs. Taken aback at 6.30. Traced around on port tack, heading E.S.E. At 5.55 tacked to N.W.

Edward Farquhar
Ensign

6 to 8. PM. Heavy fog, very damp. Gentle to moderate breeze from N.N.E. Bar. rising. At 6 took in royals, and flying jib. At 7 furled T.G sails and took two reefs in the topsails. Fires banked in two boilers. Distilling.

C. B. T. Moore
Ensign

8 PM. to Mid. Overcast, foggy, and misty. Light to fresh breeze from N.E. to N.E. by E. At 10 took close reef in topsails, single reef in foresail. At 11 cast deep sea lead, no bottom at 85 fms. Distilling. Lightning from N.E. to W. Full and by.

L. P. Quelle
Master

Moore Shown. in Last Qr. Dec 5 2d

Examined and found to be correct.

C. M. Dennis
Lieut.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate, 6 Guns,

At Sea. Making passage from Falkland Islands to Monte Video.

Hour.	Knots.	Fathoms.	Courses Steered.	WINDS. Direction.	Force.	Leeway.	BAROMETER. Height in Inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of clear Sky, in 16ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
A. M.																
1	1		N.N.W.	E.N.E.	7	1/2	29.83	61	56	56	56	o.fl.br.	Nimb	0	S	F.S. Sail double reefed topsails, Jibs reefed fore and Mizen sail.
2	3	0	N.	S.E.	5-6		29.87	61	56	56	56	d.br.	"	0	"	
3	4	0	N by E.	E.	5		29.88	61	56	56	56	o.d.fr.	"	0	"	
4	4	0	"		5		29.88	61	56	56	56	o.fl.fr.	"	0	"	Took in Spanker.
5	3	7	"	E by N.	5	1/2	29.83	61	56	56	56	d.cm.r.	"	0	"	
6	3	0	"		4-5	1/2	29.85	61	57	57	57	"	"	0	"	
7	7	7	N by W.	E.N.E.	4	1/2	29.85	61	58	58	58	"	Nim. Str	0	"	Took one reef out of topsail.
8	3	0	N by W 1/2 W.	N.E. by E.	5-6	1/2	29.85	61	57	58	58	o.c.o.q.	"	0	"	Set jib and spanker.
9	4	4	N.W.N. 1/2 N.	"	5-6	1/2	29.85	62	59	59	60	o.c. br.	"	0	"	
10	3	0	E by S.	N.E. by N.	5	3/4	29.90	62	60	60	60	"	"	0	"	
11	2	8	E 1/2 N.	N.N.E.	4		29.90	62	60	60	60	"	"	0	"	
Noon.	2	4	E. by N.	N by E.	4		29.88	62	59	59	60	"	"	0	"	

Distance run by Log since preceding Noon — 68 knots 8 tenths fathoms.

Latitude by D. R. at Noon — S 40 . 1 . 30 -

Longitude by D. R. at Noon — W 56 . 21 . 54 -

Latitude by Observation at Noon ☉ — S 39 . 56 . 33 -

Longitude by Chronometer from Forenoon Observations ☉ — W 56 . 18 . 36 -

Current during the time . knots fms. per hour setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise — ° ' "

Variation of the Compass by Azimuth ☉ observed at — ° ' "

Water expended during the preceding 24 hours — 300 gallons.

Water (condensed) during the preceding 24 hours — 950 "

Water remaining on hand fit for use at Noon — 2700 "

Coal consumed during the preceding 24 hours — tons lbs.

Coal remaining on hand at Noon — " "

P. M.																
1	2	0	E for S.	N.E by N.	4		29.87	65	60	60	58	b.c.	Cir.Cum.Str	4	D	Furled M. sail Took in jib
2	2	0	N.N.W. 1/2 W.	"	4	1/2	29.86	65	61	61	58	"	"	3	"	Took two reefs, and furled
3	1	4	N.N.W.	"	4		29.87	65	61	61	58	"	"	3	"	topsails and fore sail.
4	7	5	"	"	4		29.85	65	61	60	58	"	"	3	"	Set M. topsail, Set jib
5	9		N 1/2 W.	"	4		29.85	63	61	62	65	"	"	4	"	
6	7	7	"	N.E.	4		29.85	63	61	62	65	o.c.	Mixed Str	0	"	
7	7	0	"	"	4		29.85	64	62	62	61	"	"	0	"	
8	6	5	"	"	4		29.85	64	62	62	64	"	Mixed.	0	"	
9	1	4	N.	"	5		29.84	65	63	64	64	o.c.d.	"	0	"	
10	6	2	"	"	5		29.82	65	63	64	64	o.w.d.	"	0	"	
11	4		"	N.N.E.	5-6		29.76	65	63	64	64	"	"	0	M.	
Mid.	4		"	N.	6-7		29.78	65	63	64	64	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉ — ° ' "

Longitude by Chronometer from Observations * — ° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset — ° ' "

Variation of the Compass by ☉ at — ° ' "

under the command of Commander W. B. Schley, U. S. Navy,

Saturday, February 15th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM. Mostly fine threatening weather to overcast, cloudy and foggy, with thunder and lightning and rain. At 1.30 wind came out in a fresh squall from N., took in foresail and squared away. Set foresail at 2.05, and mainsail at 2.05. Wind fresh and steady last two hours of watch.

Lieut. Smith
Ensign

4. to 8. AM. Overcast, cloudy, misty, raining and last hour squally. Bar. steady. Smooth sea. Steering by the wind. At 7.05 shook reefs out of topsails, set jib and spanker. At 8. got a cast of the deep sea lead in 50 fms. water, gray sand.

L. K. Lewis
Lieut.

8 AM. to Merid. Overcast and damp. Moderate to stiff breeze, hauling from N.E. by E. to N. by E. Sea smooth. Bar. unsteady 29.88 at 12. At 10 got a cast of the lead, bottom at 47 fms. gray sand and shells. At 10 AM shook reefs. At 10.45 hoisted down jib. At 11.15 shook reefs out of topsails and foresail, and hoisted the jib. Fires banked in two boilers. Av. St. pres. 35 lbs. Distilling.

L. P. Jewett
Master

Merid. to 4 PM. Cloudy and pleasant. Moderate breeze from N.E. by N. At 12.05 cast deep sea lead, light brown sandy bottom at 55 fms. At 12.40 stopped distilling. 12.48 came ship. At 1.35 furled mainsail and took in jib. 1.53 sent down royal yards, hoisted funnel, stack, pulpit, gaff and mast cross. At 1.30 started fires in two additional boilers. At 2.05 took two reefs in topsails furled topsails and foresail, set main topsail. At 2.47 coupled propeller and set jib. Scraped spars. On mean at 3 PM. Rev. 62. Av. St. pres. 60 lbs. At 4 changed course to N. by W.

Lieut. Smith
Ensign

4. to 8 PM. Cloudy and overcast last hour. Moderate breeze from N.E. by N. to N.E. Bar. steady. Steering course N. by W. Steam in 4 boilers. Av. St. pres. 55 lbs. Rev. 48. Finished scraping spars.

C. B. T. Moore
Ensign

6. to 8. PM. Overcast with clouds. Mod. weather. Moderate breeze from N.E. Bar. steady. Smooth sea. Steering the course. Steam in four boilers. Av. St. pres. 55 lbs, 40 rev. At 8. got a cast of the deep sea lead in 48 fms. water, fine gray sand bottom.

L. P. Jewett
Master

8. PM. to Mid. Overcast, misty, threatening weather, with lightning to the N. & W. Raining latter part of watch. Stiff to very fresh breeze hauling from N.E. to N. Smooth to rough sea. At 9.20 hauled down the jib. At 10 got a cast of the lead, bottom at 47 fms. fine gray sand. At 11. took all fires and left seals. Fires in 4 boilers. Av. St. pres. 55 lbs. Rev. 40

Lieut. Smith
Ensign

Course & Dist. - 2nd Last Qr. Dec - 327°

Examined and found to be correct.

L. K. Lewis
Lieut.

Navigator.

